

Whetstone Bridge Farm

Case Reference EPR/GB3002MQ/A001

Site Condition Report

1.0 SITE DETAILS	
Name of the applicant	Moreton C Cullimore (Gravels) Limited
Activity address	Whetstone Bridge Farm Sheepenbridge Lane Down Ampney Gloucestershire SN6 6LL
National grid reference	SU 12500 96125
Date and version of Site Condition Report	July 2021 SCR V1
Supporting information	Submitted with the Environmental Permit application: <ul style="list-style-type: none">• Environmental Risk Assessment – Risk Screening (Appendix Hi)• Environmental Setting and Site Design Report (ESSD) (Appendix Hii)• Waste Acceptance Procedures (Appendix Hiii)• Hydrogeological Risk Assessment Report (HRA) (Appendix Hiv)• Stability Risk Assessment (SRA) (Appendix Hv)• Landfill Gas Risk Assessment (LFGRA) (Appendix Hvi)• Rural Designations (Appendix Hvii)

2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none">• geology• hydrogeology• surface waters	Geology <p>The geological setting of the site has been determined based on a review of published information, site investigation information and observations made in the existing mineral excavation area.</p>

The geology of the site and the surrounding area comprises:

- Alluvium (Fluvial Deposits) – clay, silt, sand and gravel (only present at the eastern edge of the site in the vicinity of the Marston Meysey Brook);
- Northmoor Sand and Gravel Member (River Terrace Deposits) – sandy limestone gravel (c 1.0m to c 3.65m thick locally); overlying
- Oxford Clay Formation (Ancholme Group) – clay (estimated to be 5-15m thick at the site – not worked).

See also Appendix Hii (ESSD) and Appendix Hiv (HRA).

Hydrogeology

The superficial geology is classified by the Environment Agency (EA) as a Secondary A Aquifer.

The underlying Oxford Clay Formation is classified as an aquiclude, has low permeability and does not transmit groundwater flow. The site is therefore within an unproductive bedrock aquifer as classified by the EA.

The north of the site is located within groundwater Source Protection Zone 2 (Outer Protection Zone). The south of the site is located within groundwater Source Protection Zone 3 (Total Catchment). The Source Protection Zones are associated with a public water supply groundwater abstraction north of the site. However, given the size of the zones and their locations, the abstraction must be located in the Great Oolite limestone Group beneath the Oxford Clay Formation and as such are not hydraulically connected to the sand and gravel aquifer around the site.

The site is within a Groundwater Vulnerability Zone designated by the EA as Minor Aquifer High.

For more information regarding the hydrogeological setting of the site see Appendix Hiv (HRA).

Surface Waters

The River Thames is located c 370m to the southeast of the site at its closest approach. The Marston Meysey Brook runs along the eastern boundary of the site into the River Thames c. 400m southeast of the site.

	<p>The nearest external surface water bodies are several small lake/pond features associated with the restoration scheme of the adjacent Roundhouse Farm Quarry site to the east.</p> <p>The site has a settlement lagoon/balancing pond system located within the eastern part of the site.</p> <p>There are no identified springs located within c. 1km of the site.</p> <p>The majority of the site lies within fluvial flood risk Flood Zone 3.</p> <p>Much of the site is situated within a low or very low pluvial flood risk area. The southeast corner of the site, which is nearest to the Marston Meysey Brook and at the lowest elevation, is situated within a high pluvial flood risk area.</p> <p>For more information regarding the hydrological setting of the site see Appendix Hiv (HRA).</p>
<p>Pollution history including:</p> <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures 	<p>Pollution incidents that may have affected the land</p> <p>Environment Agency information indicates that there are no pollution incidents within 1km of the site.</p> <p>Historical land uses and associated contaminants</p> <p>A greenfield site used for agriculture.</p> <p>Visual/olfactory evidence of existing contamination</p> <p>None.</p> <p>Evidence of damage to pollution prevention measures</p> <p>None.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>None.</p>
<p>Baseline soil and groundwater reference data</p>	<p>See Appendix Hii (ESSD) and Appendix Hiv (HRA).</p>

3.0 Permitted activities	
Permitted activities	<p>The works approved by Planning Permission 16/0083/CWMAJM provide for, inter alia, site restoration using imported inert fill material at Whetstone Bridge Farm, Sheepenbridge Lane, Down Ampney, Gloucestershire (the Whetstone site).</p> <p>Completion of the approved site restoration scheme, involving the restoration of the mineral extraction area requires 416,520m³ (approximately 728,910t using a standard conversion factor of 1.75t/m³) of imported inert fill material.</p> <p>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.</p> <p>The application is submitted on the basis that the permanent deposit of 416,520m³ imported inert fill at the Whetstone site is a waste deposit for recovery activity and not a waste disposal activity.</p> <p>The recovered waste will be imported inert fill material sourced from construction sites within the general Swindon area.</p> <p>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 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 (see Appendix Hiii (Waste Acceptance Procedures))</p> <p>Waste types to be provided for in the Environmental Permit are detailed in Appendix I (Waste types).</p>
Non-permitted activities undertaken	None.
Document references for: <ul style="list-style-type: none"> plan showing activity layout; and environmental risk assessment. 	<p>Plan showing activity layout</p> <p>Appendix E of the Environmental Permit Application.</p> <p>Environmental risk assessment</p>

	Appendices Hi – Hvii of the Environmental Permit Application.
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