

# Kempsford Quarry Deposit for Recovery

Case Reference **EPR/EB3903CG/A001**

## Site Condition Report

<b>1.0 SITE DETAILS</b>	
Name of the applicant	Multi-Agg Limited
Activity address	Kempsford Quarry Stubbs Farm Washpool Lane Kempsford Gloucestershire GL7 4NJ
National grid reference	SU 16700 96850
Case reference number	EPR/EB3903CG/A001
Permit number	
Date and version of SCR	February 2019 SCR V1
Supporting information	Submitted with the Environmental Permit application: <ul style="list-style-type: none"><li>• Environmental Risk Assessment – risk screening (Appendix li)</li><li>• Environmental Setting and Site Design (Appendix lii)</li><li>• Hydrological and Hydrogeological Assessment (Appendix liii)</li><li>• Rural Designations (Appendix liv)</li><li>• Waste Recovery Plan including site location and development plans (Appendix K)</li></ul>

<b>2.0 Condition of the land at permit issue</b>	
Environmental setting including: <ul style="list-style-type: none"><li>• geology</li><li>• hydrogeology</li><li>• surface waters</li></ul>	<b>Geology</b> The geology of the site and the adjacent area comprises: <ul style="list-style-type: none"><li>• Superficial deposits – Sand and Gravel (Northmoor Sand and Gravel</li></ul>

	<p>Member; overlying</p> <ul style="list-style-type: none"> <li>• Bedrock strata – Mudstone (Oxford Clay Member) (Jurassic)</li> </ul> <p>See also Appendices Iii (Environmental Setting and Site Design) and Iiii (Hydrogeological Risk Assessment).</p> <p><b>Hydrogeology</b></p> <p>The superficial deposits are designated by the Environment Agency as a Secondary A aquifer. The bedrock stratum is designated as unproductive strata.</p> <p>The site is not situated within a Groundwater Source Protection Zone.</p> <p>The site lies within a Groundwater Vulnerability Zone (Minor Aquifer High).</p> <p>The majority of the site is located within an Environment Agency Flood Zone 3a (annual flood probability of 1.0-3.3%) whilst areas on both western and eastern banks of the lake are situated within an Environment Agency Flood Zone 2 (annual flood probability of 0.1-1.0%).</p> <p>A more detailed Environment Agency assessment of flood risk (Ref: OX_0850_01) shows the lake area to have an annual flood probability of <math>\leq 1.0\%</math>, whilst the western and eastern bank areas have an annual flood probability of <math>\leq 1.0\% + 20\%</math> river flows.</p> <p>For more information regarding the hydrogeological setting of the site see Appendix Iiii (Hydrogeological Risk Assessment).</p> <p><b>Surface Waters</b></p> <p>The site lies between the River Thames (located c. 0.6km to the south) and the River Coln (located c. 2.2km to the north-east). The eastern part of the Cotswold Water Park lies approximately 3.0km to the north-east.</p> <p>Small areas of the lake are shown to be within pluvial Flood Risk Zones 2, 3a and 3b (annual flood probabilities of 0.1 - 1%, 1 – 3.3% and <math>&gt;3.3\%</math> respectively). This appears to relate to the lake water level being lower than the surrounding land.</p> <p>For more information regarding the surface water setting of the site see Appendix Iiii (Hydrogeological Risk Assessment).</p>
<p>Pollution history including:</p>	<p><b>Pollution incidents that may have affected the land</b></p>

<ul style="list-style-type: none"> <li>• pollution incidents that may have affected land</li> <li>• historical land-uses and associated contaminants</li> <li>• any visual/olfactory evidence of existing contamination</li> <li>• evidence of damage to pollution prevention measures</li> </ul>	<p>Environment Agency information indicates that there have been no pollution incidents within 500m of the site.</p> <p><b>Historical land uses and associated contaminants</b></p> <p>A greenfield site prior to mineral extraction in 2003 - 2005 leaving an artificial lake of c.6ha.</p> <p><b>Any visual/olfactory evidence of existing contamination</b></p> <p>None.</p> <p><b>Evidence of damage to pollution prevention measures</b></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>3 No. piezometers installed at the adjacent site to the east to monitor groundwater levels within the sand and gravel deposit associated with Environmental Permit EPR/QP3038L.</p>

<h3>3.0 Permitted activities</h3>	
<p>Permitted activities</p>	<p>The works provide for, <i>inter alia</i>, site restoration using imported inert fill material at Kempsford Quarry, Stubbs Farm, Washpool Lane, Kempsford, Gloucestershire.</p> <p>Completion of the site restoration scheme, involving stabilisation of lake banks and the creation of lake support margins and shallows requires 70,000m<sup>3</sup> (approximately 119,000t using a standard conversion factor of 1.7t/m<sup>3</sup>) of imported inert fill material.</p> <p>Extraction of approximately 17,000t gravel from an area (0.7ha) along the south west side of the lake is also proposed.</p> <p>An application is being submitted for a Bespoke Environmental Permit based on SR 2015 No. 39 (use of waste in a deposit for recovery operation). The applicant is Multi-Agg Limited.</p> <p>The application is submitted on the basis that the approved scheme in its entirety is, as a</p>

	<p>matter of law, a waste recovery operation.</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.</p> <p>Robust Waste Acceptance Criteria and Waste Acceptance Procedures will be implemented to ensure that the imported inert fill material used in the works is as described on Waste Transfer Notes, is permitted by the Environmental Permit, is fit for purpose and will not cause environmental harm.</p> <p>Waste types to be provided for in the Environmental Permit are detailed in Appendix J of the Environmental Permit application.</p>
<p>Non-permitted activities undertaken</p>	<p>N/A</p>
<p>Document references for:</p> <ul style="list-style-type: none"> <li>• plans showing activity layout; and</li> <li>• environmental risk assessment.</li> </ul>	<p><b>Plan showing activity layout</b></p> <p>Appendices F (Site plan) and K (Waste recovery plan) of the Environmental Permit application.</p> <p><b>Environmental risk assessment</b></p> <p>Appendix I of the Environmental Permit application.</p>