
ES VOLUME 2

Technical Appendices

K - Health Impact Assessment



Table One- Assessed Results of Health and Wellbeing – Lea Castle Farm

✓ Themes: This matrix is based on an indicative checklist of topics relevant to health in planning, however it is advised that they should be revised to ensure that they reflect local circumstances and local policies.

✓ Description: Briefly describe how the proposal affects the health and wellbeing of the existing and future local residents/users of the site/local area.

✓ Impact: Identify if this impact is positive or negative. This should be scored X to 3 which constitutes:
 X – no impact, 1 - high impact, 2- medium impact, 3 - low impact

✓ Recommendation: based on the impact assessment.

Proposed development Activity/ Theme	Description of Potential Impact	Mitigation/ Enhancement within scheme	Impact During Quarry Optional Period				Post Restoration			
			P	N	N	U	P	N	N	U
Mineral Extension and progressive restoration including plant site and ancillary activities	i. Visual disturbance and stress caused by temporary change in landscape	Grass seeded and planted soil bunds and agricultural hay bales to screen temporary operations.		1					x	
	ii. Potential increase in background noise iii. Increase in dust and/or deterioration in air quality	Plant site to be located below ground level, peripheral noise attenuation bunds, buffers and standoff to properties Preventative operational dust mitigation measures e.g. wheel wash, bowser sprays		1					x	

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	<p>iv. Site safety concerns- fear of risk/danger</p>	<p>temporary bunds and use of existing landform and planting to help contain potential dust.</p> <p>Emission Monitoring</p> <p>Quarry would operate under strict Quarry Regulations including safety fencing, which will be checked on a daily basis, traffic management systems and staff training and signage.</p>		1				x	
<p>Active travel and connectivity</p>	<p>i. Change in publicly accessible routes- disturbance/limitation, possible lack of access and enjoyment.</p> <p>ii. Increased vehicle (HGV) of local road network, possible congestion, stress and vehicle emissions- safety concerns</p>	<p>Two sections of PROW will be temporarily diverted, one for 2 weeks, one for ~2 years. Alternative routes will be provided in advance and on completion of diversion the routes will be returned to their original alignment.</p> <p>During the advance programme and post restoration periods ~2.3km of new PROW providing access opportunities for walks, horse riders and cyclists will be created.</p>		1		3		x	

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Employment and Economy	Potential threat to local business employers and employees, loss of trade/ customers- concern and anxiety	Two equestrian centres on/ adjacent to the Site will have owners and customers feeling uncertain of the environment they will ride/share their horse stabling and riding activities with. The applicant is in control of Keepers Cottage Equestrian Centre, the other being Lea Castle Farm Equestrian Centre									
		Mitigation of buffers/standoffs, bunding and planting will visually segregate receptors and users from quarry activities. The proposals will provide ~1.8km of new bridleway additional routes pre quarry development. Post restoration additional 0.5km of new bridleway -total 2.3km	2	1			3				
Open space, greenspace, play space, playing fields	Potential threat to health, fitness and wellbeing concerns and enjoyment	No public or private open, green or play space or playing fields will be physically lost. 2.3km of new PROW will be created, 5 pocket parks will be established	2				3				
Equality and social community	A badly designed scheme could be detrimental to the environment, isolating communities and/or	The playing fields at Brown Westhead Park are separated from the proposed development by higher intervening ground and built and vegetative	2				2				

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	neighbours causing stress and anxiety	structures. The scheme has been designed on Green Infrastructure Principles to maintain and enhance access to the countryside and to link existing and new communities								
Climate Change	Adverse impact on generating other aspects which could increase the chance of climate change	<p>Lea Castle Farm is located in a geographically sustainable location for a new quarry. It is 24 miles away from a similar source of sand and gravel. There is significant and potential demand for this mineral within and around the north eastern area of Kidderminster supported by the Development Plan Process. A local source of mineral is a sustainable benefit reducing the need for long distance importation of sand and gravel and solid sand into the area to provide required building materials.</p> <p>Approximately 12,500 trees and shrubs will be planted as part of the scheme together with the established 8.1 Ha of target Habitat. This will both provide a new source of carbon sink and contribute to Biodiversity opportunities.</p>	3					x		