

Hazard	Receptor	Pathway	Risk Management Techniques	Probability of Exposure	Consequence	Overall Risk
Dust	Local human population, 2 areas of protected habitat (deciduous woodland), Woolsthorpe Road Verge local wildlife site, Crabtree Road Verges local wildlife site	Air, inhalation or deposition	<p>Operation techniques will be employed (set out in EMS) that minimise the movement of material in dry, windy conditions; and waste tipping will mostly take place within the quarry void so will benefit from screening.</p> <p>The mitigation measures will ensure that dust does not leave the site boundary in significant quantities to adversely affect protected habitats or local wildlife site verges.</p>	Low	Low	Low
Mud on road	Local human population, Woolsthorpe Road Verge local wildlife site,	Vehicles entering and leaving the site	Vehicles will have containment or be sheeted to avoid waste falling on to the public highway, a wheel wash is in place at the site to	Low	Medium	Low

	Crabtree Road Verges local wildlife site		<p>ensure vehicle wheel are clean of debris.</p> <p>The mitigation measures will ensure that mud/debris does not adversely affect local wildlife site verges.</p>			
Noise and vibration	Local human population	Noise through air and vibration through ground	The proposed waste tipping activities would not generate a significant amount of noise, and the site is not located near any noise sensitive receptors.	Low	Low	Low
Stability	<p>Staff and visitors</p> <p>Surrounding and restored landform</p>	<p>Falling materials causing injury</p> <p>Damage to integrity of landform</p>	Stability risk assessment has been carried out and its recommendations will be accorded with	Low	Medium	Low
<p>Hydrogeological pollution and contamination</p> <p>From waste</p>	Flora and fauna, human population, 2 areas of protected habitat (deciduous woodland),	Ground and surface water	Only inert waste types permitted. Preventive Waste Acceptance Procedure. Geological barrier to be constructed. Hydrogeological risk assessment has been	Low	Medium	Low

<p>From leaks and spills</p>	<p>Woolsthorpe Road Verge local wildlife site, Crabtree Road Verges local wildlife site</p>		<p>carried out and its recommendation and requisite monitors will be accorded with. Equipment/vehicle maintenance programmes in place. Spill kit on site and staff trained for its use.</p> <p>Following restoration, surface water will fall to existing and new (on the eastern side of the quarry) perimeter ditches – see surface water management plan.</p> <p>Avoiding impacts to the water environment will ensure protected habitats and roadside verges are not adversely affected.</p>			
<p>All on site hazards: wastes; machinery and vehicles</p>	<p>Local human population after gaining unauthorised</p>	<p>Direct physical contact</p>	<p>Operational areas of the site are manned between 0700 hours and 1830 hours</p>	<p>Medium</p>	<p>Bodily injury</p>	<p>Low</p>

	access to the waste operation		Monday to Friday. Machinery/vehicle operators are suitably trained. Unauthorised access will be challenged by site personnel. Monitored CCTV cameras in operation when site is closed. Site is suitably secured when not in use e.g. Christmas Day.			
Gas migration	Local human population, surrounding landform and 2 areas of protected habitat (deciduous woodland), Woolsthorpe Road Verge local wildlife site, Crabtree Road Verges local wildlife site	Ground	Only inert waste types permitted. Preventive Waste Acceptance Procedures in place. Gas monitoring will take place to monitor any emissions – see Landfill Gas Risk Assessment.	Low	Low	Low
Odour, pests, litter and other similar emissions/nuisances	Local human population	Air, wind	Permitted waste types not associated with litter, pests or odour. Preventive Waste	Low	Low	Low

			Acceptance Procedures in place.			
Fire and contaminated fire water	Local human population, surrounding landform and 2 areas of protected habitat (deciduous woodland), Woolsthorpe Road Verge local wildlife site, Crabtree Road Verges local wildlife site	Air, surface run off	No flammable wastes permitted at the site. Preventative Waste Acceptance Procedures. Fire action plan in place which staff are trained on and is subject to ongoing review.	Low	Medium	Low
Security and vandalism	Staff and visitors. Surface and ground waters.	Unauthorised access	Security fencing and gates in place which are maintained in accordance with manufacturer’s instructions, checked regularly and repaired as required. Site secured at the end of each working day. All visits must sign in to the site and out again.	Low	Low	Low