

21 07 28 Thatchers basic initial environmental risk analysis (read in conjunction with 21 02 04 ThatchersGIS survey)

Receptor	Process	Risk	Controls	Improvement
Biodiversity	Site operations	Causing habitat damage Invasive species	Lighting Surface water control and attenuation Pollution management Invasive species awareness and control Toolbox talks Landscape – natural species planting	Creation of habitat areas on site
Water	Site operations	Causing pollution and change in surface/groundwaters	Surface water attenuation controls Surface water monitoring(pH) and control Effluent sewers – mass balance and regular inspection Lagoon inspections High level controls on lagoon Effluent monitoring and controls Controlled volume discharge Environmental Incident Management plan Toolbox talks	Water harvesting Minimise water use
Water – cross cutting	Site operations	Changing local surface water temperature	Heat recovery from waste waters	Further heat recovery options
Community Forests	Site operations	Community relations and habitat	None at present	Support community forest (England) project

				(Sandford Community Forest Project)
Landscape	Site operations	Creating industrial landscape not appropriate to village	Adherence to planning conditions Screening of new buildings	Set up community liaison committee.
Climate change	Site operations	GHG emissions Localised flooding Change in temperature Sea level changes Availability of water Increased energy demand and subsequent GHG	Reduction in CO2 emissions Drainage strategy – Clarkebond 2016 Water reduction programme Toolbox talks	Further water harvesting
Air quality	Site operations	Danger of polluting local air	Boiler servicing and inspection Use of mains gas Toolbox talks	Preheat of boiler water feed Renewable energy replacement for gas
Human occupancy (several properties within 200m)	Site operations	Danger of causing nuisance to neighbours	Noise management process. Odour management process Complaints management process Lighting controls Environmental awareness training	Set up community liaison committee.
Transport	Site operations	Creating of congestion and nuisance from vehicle movements	Vehicle movement control Encouragement of improved commuting practices	
Utilities	Site operations	High demand exceeding capacity of local networks	Energy management controls and plan Water management plan	Further reduce energy and water demand

Creation of waste	Site operations and end users	Creation of waste	Packaging reduction and improvements Site waste management and reduction (hierarchy) Waste management toolbox talks	100% recycled packaging
Dangerous substances	Site operations	Use of dangerous substances and potential pollution	COSHH control Employee awareness	Hierarchy controls in purchasing