

Westgate Phase 2 Pollution Risk Assessment BATPA018/09

Receptor	Source	Harm	Pathway	Probability of Exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual Risk
Human	Imported material	Human Health	Direct ingestion	Very low	Medium	Low	No plant uptake or vegetables to be grown.	All imported material will require analysis which will be assessed against the CLEA model, and SGV's. There is no residential use or plant or vegetable uptake which could increase risk to human health.	Low
			Inhalation of soil	Low during material movement.	Medium	Medium	All operatives to wear correct PPE. In periods of dry weather dust to be suppressed using bouser.		Low
				Very low during completion	Medium	Low	Final finished surfaces will be impermeable so material will not be in contact with humans		Very Low
	Noise	Noise nuisance & amenity value	Atmospheric	Low	Low	Low	Additional traffic movements are not believed to cause significant noise problem. All machinery fitted with silencers. No malodorous wastes accepted		Vehicle movement only permitted within operational hours. Fitted with silencers. Serviced & maintained regularly.

	Odour	Odour nuisance & amenity value	Atmospheric	Low	Low	Low	Permitted wastes unlikely to generate litter	Quarantine and reject malodorous loads	Low
	Litter	Amenity value	Windblown	Low	Low	Low	Permitted wastes unlikely to attract pests.	Quarantine and reject loads containing litter	Low
	Pests	Human health & amenity value	Direct	Low	Low	Low		No putrescible material accepted on site	Low
Water	Imported material	Water Quality via direct runoff or leaching of contaminants	Run off	Very Low	Low	Low	No pathway for runoff to watercourse. Material covered with impermeable surface following works.	Ensure earthworks are covered with hard standing on completion of works. Holding pond to collect runoff during construction.	Low
			Leaching	Low	Medium	Medium	All material required to meet acceptance criteria outlined in the Environmental risk assessment. Material covered with impermeable hard standing.	Ensure all waste meets criteria and approval sought from EA.	Low

Air	Imported material	Dust nuisance	Atmospheric & trafficking of vehicles	Low	Medium	Medium	All operatives to wear correct PPE. In periods of dry weather dust to be suppressed using a bouser. Vehicles will be sheeted and access roads sprayed to reduce dust.	Contractor to carry out site inspections and inductions for all operatives.	Low
Land	Imported material	Currently vacant industrial land.	No pathway to SSSI. Direct - Material deposited will be assessed using CLEA for commercial use.	Low	Medium	Medium	No direct pathway to SSSI. Imported material is assessed using guidance criteria.	Ensure all waste meets criteria and approval sought from EA.	Low
Plant/ Animal	Imported material	Not within 1km of SSSI	No known pathway to SSSI. .	Low	Medium	Medium	No planting or vegetation uptake. Land covered with impermeable hard standing.	Ensure all waste meets criteria and approval sought from EA.	Low
		Protected Species	Locality	Low	Medium	Medium	EIA and ecological mitigation in place	Ensure full protection of species in the area and compliance with Ecological conditions.	Low