

ERA8 Fugitive Emissions – to Air – Odour, Dust & Particulate Matter

Identifying the harm and what could be harmed			Assessing the risk			Managing the risk		
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk	
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Atmosphere Inhalation of particles Deposition of dust/particles on property and land Derogation to amenity value	Air	LOW	LOW	LOW	 All vehicles delivering and collecting materials to/from the site are covered or containerised. Daily maintenance and inspection of storage areas and buildings (recorded in site diary). All vehicles, plants and machinery would be operated and maintained in accordance with manufacturer's specifications or annually, whichever is more frequent. Roads and circulation areas would be dampened down in periods of dry weather by spraying water. Vehicle speeds would be restricted to a maximum of 10 mph. Stockpile heights would be limited. All plant based on site would be equipped with upward facing exhausts. Operations which may give rise to dust emissions will not be carried during strong windy conditions. Dust control systems are routinely maintained and serviced on all plants and machinery. 	VERY LOW	



ERA9 Fugitive Emissions – to Air – Litter & Debris

Identifying the harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of managemen t measures?
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Litter/Debris/ Nuisance Amenity issues/Road Safety	Air; windblow, physical transport and deposition	LOW	LOW	LOW	 Types of waste received unlikely to generate litter. Daily housekeeping of site surfaces and storage areas to remove litter and debris and prevent spread. All vehicles delivering and collecting materials to / from the site are sheeted and containerised. SOPs and training provided to all relevant staff to prevent litter and debris accumulating. Waste found to be not complaint with the permit will be rejected. Where litter or debris is generated site operators will be instructed to undertake a 'litter pick' to rectify the issue before it can spread offsite. Waste types received at site do not contain significant amounts of light or loose material. Daily inspections by site staff and records kept. 	VERY LOW



ERA10 Fugitive Emissions – Pests, Vermin & Scavengers

Identifying the harm and what could be harmed		Assessing the risk			Managing the risk		
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?
ERP2 Storage	Humans & Property Environmentally Sensitive Sites	Air, Ground depending on vector	VERY LOW	MEDIUM	LOW	 Only waste accepted on site are source-segregated end of life tyres. In the unlikely event that unacceptable waste is delivered, appropriate containment and removal from site will be carried out. Waste permitted for processing is non-biodegradable and is unlikely to attract pests or vermin. Daily site inspections will be carried out in accordance with the Management System Summary. Pest control contractor would be employed where required. 	VERY LOW



ERA11 Fugitive Emissions – Mud & Debris

Identifying the harm and what could be harmed			Assessing the risk			Managing the risk		
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk	
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
ERP1 Material Receipt ERP4 Material Dispatch	Humans & Property Amenity impact	Direct deposition	LOW	MEDIUM	MEDIUM	 Vehicles visually inspected before they leave the site and advice given to drivers if there is a need to clean mud or debris before leaving. All areas of site cleaned as necessary by site personnel or hired in rod sweepers, to prevent any mud or debris being deposited outside the site. Regular housekeeping of all areas undertaken on a weekly basis to maintain cleanliness. 	LOW	



ERA12 Fugitive Emission – to Water

Identifying the h	arm and what could	be harmed	Assessing the risk			Managing the risk		
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk	
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Environmentally Sensitive Sites Surface Water The closest surface water feature is the Spittle Brook (695 m north-west of the permit boundary) Groundwater Contamination	Land, water, runoff	LOW	MEDIUM	MEDIUM	 Eol tyres unlikely to generate significant contaminated run-off. Storage times are minimal. Processing will be undertaken on an impermeable surface within a sealed drainage system. Liquid wastes are not permitted on site. All waste is assessed for permit compliance prior to formal acceptance at the site and rejected where non-compliant. Rainwater is captured by a surface water drainage system. Spill kits on-site and employees are trained in their use. Potential proximity of a European Protected Species has been considered with the above risk management measures. 	LOW	



ERA13 Accidents

Identifying the harm and what could be harmed		uld be	Assessing the risk			Managing the risk			
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk		
What has the V potential to V cause harm? p	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?		
Transferring substances									
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Land, air, water	LOW	LOW	LOW	 Waste accepted and processed onsite is non-hazardous. Transfers of material overseen by a competent person, within designated area equipped with sufficient containment. Spill Kits available, spills dealt with in accordance with SOPs. Treatment carried out on an impermeable surface with sealed drainage system. Fuels and oil stored in suitable containers away from site operations. All vehicles delivering and collecting materials to/from the site are sheeted and containerised. All waste transfers are overseen by a competent person. Loading / unloading occurs within a designated area. Regular housekeeping of all areas undertaken on a weekly basis. Potential proximity of a European Protected Species has been considered with the above risk management measures. 	LOW		



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Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk	
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
				Equipmen	t Failure			
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Land, air, water	LOW	MEDIUM	LOW	 All vehicles, plant and machinery would be inspected and maintained regularly in line with maintenance schedule set out by the manufacturer's specifications. Storage containers are checked as part of periodic site inspection for integrity/leakage. Limited external vehicle movements into site reduces risk of accidents. All vehicle movement areas are hard surfaced or impermeable. Documented management system controls site operations. 	LOW	



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What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
				Flood	ling			
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Land, water	LOW	HIGH	MEDIUM	 Emergency procedures in place Surface water is actively managed using the surface water drainage system within the site to prevent flooding. Monitoring of weather warnings/flood alerts/EA warnings/. Fuels/oils or any other potentially polluting liquids are stored within appropriate containers with 110% secondary containment. Spill kits on site and employees are trained in their use. Treatment carried out on an impermeable surface with sealed drainage system. In case of flood, the site will stop accepting waste. Where possible remove processed material from flooded area. Potential proximity of a European Protected Species has been considered with the above risk management measures. 	LOW	



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Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk	
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
				Vanda	lism			
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Land, air, water	VERY LOW	MEDIUM	LOW	 Site is secured by fencing and gated. Externally monitored security systems (CCTV). The site is operational for up to 24 hours a day. 	LOW	



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Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk	
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?	
				Fire	e			
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Spread through physical contact; fanned by winds	LOW	HIGH	MEDIUM	 The site will be managed in accordance with the minimum operating standards detailed in the Fire Prevention Plan (K18.19~09~004). EoL tyres are held within vehicles (delivery or dispatch), storage bays (legio block walls) or cages. Plant and equipment will be serviced and maintained in accordance with manufacturers guidelines. Emergency Procedures in place and outlined in Fire Prevention Plan (K18.19~09~004) and the Management System Summary (K18.19~09~002). The site is a no smoking area. All areas are subject to regular housekeeping. Fuelling of plant to be undertaken on an impermeable surface with a suitable spill kit and fire extinguisher available. Potential proximity of a European Protected Species has been considered with the above risk management measures. 	MEDIUM	



ERA14 Noise & Vibration

Identifying the harm and what could be harmed		Assessing the risk			Managing the risk		
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Noise sensitive locations ¹ Environmentally Sensitive Sites	Air, land	LOW	MEDIUM	MEDIUM	 Noise Impact Assessment conclusions, indicates no need for a Noise & Vibration Management Plan. The site is positioned within a large industrial area and is position nearby to the A320 Operations are only carried out within permitted hours. All vehicles, plant and machinery would be inspected and maintained regularly in line with maintenance schedule set out by the manufacturer's specifications. A Noise Impact Assessment revealed that predicted noise levels are significantly below existing background noise levels at the nearest noise sensitive receptors and as such the noise impact of the proposed development is expected to be low (see Appendix C). Potential proximity of a European Protected Species has been considered with the Noise Impact Assessment confirming the noise impact is deemed low. 	LOW

¹ Noise and vibration management: environmental permits - GOV.UK (www.gov.uk), Updated 31 January 2022



ERA15 Climate Change

Identifying the harm and what could be harmed		Assessing the risk			Managing the risk		
Hazard	Receptor	Pathway	Probability of exposure	Consequence	Overall risk	Risk Management	Residual risk
What has the potential to cause harm?	What is the risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains	What measures will we take to reduce the risk?	What risk remains following the application of management measures?
ERP1 Material Receipt (Delivery of materials to the site) Vehicle Movements ERP2 Material Storage pending treatment ERP3 Production processes ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Land, air, water	MEDIUM	MEDIUM	MEDIUM	 Site is secured by fencing and gated and CCTV is monitored externally 24/7; Regular monitoring of weather warnings/flood alerts/EA warnings. All vehicles delivering waste will abide by on-site speed limits and road markings. Waste deliveries and site operations shall be overseen by the Technically Competent Manager or nominated competent person; Unloading of waste will only be undertaken in designated areas; Treatment activities will be undertaken on an impermeable surface with sealed drainage; Appropriate training regarding process/plant operation and emergency procedures is provided to all relevant staff; Plant and equipment will be maintained in accordance with their maintenance schedules or when applicable; Fuelling of plant is to be undertaken on an impermeable surface with a suitable spill kit and fire extinguisher available. The site will be managed in accordance with the minimum operating standards detailed in the Fire Prevention Plan (K18.19~09~004). 	LOW