

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
<i>What has the potential to cause harm?</i>	<i>What is the risk? What do I wish to protect?</i>	<i>How can the hazard get to the receptor?</i>	<i>How likely is this contact?</i>	<i>What is the harm that can be caused?</i>	<i>What is the risk that still remains</i>	<i>What measures will we take to reduce the risk?</i>	<i>What risk remains following the application of management measures?</i>
ERP1 Reception (Delivery of materials to the site) Vehicle Movements ERP2 Storage 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	MEDIUM	MEDIUM	• Risk from odour is limited, owing to the types of waste not having potential to cause fugitive odour emissions. • Daily site inspection and housekeeping. Annually each bay will be emptied for a deep clean. This process will also be conducted as and when required. • Site operatives monitor the cleanliness of all areas to ensure no odour and dust build up. • Waste is stored in designated bays. • Storage bays are regularly cleared and cleaned to prevent a build-up of aging waste. • Waste stocks are rotated on a frequent basis and operate on a first in first out basis. • Waste is stored onsite for a maximum of 6 months. • All vehicles' loads are sheeted or kept in enclosed vehicles/containers where appropriate whilst in transit.	LOW

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						- All vehicles, plant and machinery would be inspected and maintained regularly in line with maintenance schedule set out by the manufacturer's specifications. - All waste processes (separation, stock rotation and deliveries) are conducted in designated bays.	

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 management measures?
ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites <i>Litter/Debris/ Nuisance</i>	Air; windblow, physical transport and deposition	MEDIUM	LOW	MEDIUM	- All vehicles' loads are sheeted or kept in enclosed vehicles/containers where appropriate whilst in transit. - Waste is only received within designated area, and most of the stored wastes are stored within a building. - Regular housekeeping of site surfaces to remove litter and debris and prevent spread. - Mitigation and prevention in place, enclosed containers, netting on external fencing. - Daily inspections by site staff and records kept. - Any litter or windblown material is picked up as soon as possible. Netting on external fence is used to prevent litter access to neighbouring properties. - Any loose material not in bays is picked up immediately, there is a dedicated mechanical sweeper which addresses the spillages and pockets of litter and glass spillage.	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	Ground	LOW	MEDIUM	MEDIUM	- Waste types proposed to be accepted for storage at the site are not of the nature that could typically attract pests. High standards of operational practices are maintained. - Daily site inspections and good housekeeping procedures will be maintained to reduce any occurrence and allow appropriate measures to be taken where necessary. - A pest control contractor visits the site regularly.	LOW

ERA11 Fugitive Emissions – Mud & Debris

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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?
ERP1 Reception (delivery of material to the site) ERP4 Material Dispatch	Humans & Property <i>Amenity impact</i>	Direct deposition	MEDIUM	LOW	MEDIUM	- The whole operating areas, entrance way and nearby roads are surfaced (concrete or tarmac) which will prevent the general and subsequent tracking of mud and debris. - Daily inspections will be made around site entrance and site, records kept, and onsite housekeeping would be used when required. - All vehicles hauling waste will be sheeted or fully enclosed where appropriate to avoid the loss of waste during transport. - The type of waste entering and leaving site does not produce mud and debris.	LOW

ERA12 Fugitive Emission – to Water

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 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Environmentally Sensitive Sites Surface Water <i>The closest surface water feature is the river Windrush (800 m north of the permit boundary)</i> Groundwater <i>Contamination</i>	Land, water, runoff	LOW	LOW	LOW	- All operations are undertaken within an impermeable surface on a sealed drainage system. - Water is collected in a sealed holding tank. The entire surface water runs off in a Southeast direction to a drain channel at the gate which is connected to the local storm drainage. The foul drainage system is located on the other side of the site; foul water is discharged in line with the discharge consent into the private foul drainage at Downs Road. - There will be no direct discharge to surface water from site. - Spill kits on-site and employees are trained in their use and the spill procedure	LOW

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						All storage tanks on site are bunded to 110% capacity, and the integrity of the tanks and bunding are inspected daily.	

ERA13 Accidents

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Transferring substances							
ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Humans & Property <i>Environmentally Sensitive Sites</i> Surface Water Groundwater Atmosphere <i>Adverse impact</i>	Land, air, water	LOW	MEDIUM/	MEDIUM	- All vehicles delivering and collecting materials to / from the site are sheeted to prevent loss of waste. - Waste transfers are overseen by a competent person. - Loading / unloading occurs within a designated area. - The site has a fully sealed drainage system. - Spill kits on-site and employees are trained in their use. - Liquid wastes stored in containers with 110% secondary containment. - Fire extinguishers are placed around the site and staff are trained in their operation. - A fire service rescue route has been confirmed through discussions with the local fire service. - There is onsite CCTV which can be monitored	LOW
Equipment Failure							

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ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere <i>Adverse impact</i>	Land, air, water	LOW	MEDIUM	MEDIUM	- 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.	LOW
Flooding							
ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater <i>Adverse impact</i>	Land, water	LOW	MEDIUM	MEDIUM	- Emergency procedures in place. - The site is positioned away from the surrounding surface water receptors. - 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 are on site and employees are trained in their use.	LOW

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Vandalism							
ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	[Humans & Property] Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact]	Land, air, water	LOW	MEDIUM	LOW	- Site is secured by fencing and gated. - Externally monitored security systems (CCTV). - Site is in an industrial location. - Site Security is inspected frequently.	LOW
Fire							
ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Humans & Property] Environmentally Sensitive Sites Surface Water Groundwater Atmosphere Adverse impact	Spread through physical contact; fanned by winds	LOW	MEDIUM	LOW	- Emergency Procedures in place. - The site is a no smoking area or hot works permitted onsite. - All areas are subject to regular housekeeping. - Storage of volatile waste to be stored on impermeable surface with a suitable spill kit and fire extinguisher available. - Fire extinguishers located around site and site staff trained on their use.	LOW

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						- All incoming waste is source segregated, and storage areas are organised with appropriate breaks to limit risk even further - Thermal imagery cameras are in place to detect fires and produce alerts in case of fire.	

ERA14 Noise & Vibration

Identifying the harm and what could be harmed			Assessing the risk			Managing the risk	
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ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Noise sensitive locations¹ Environmentally Sensitive Sites	Air, land	LOW	MEDIUM	LOW	- Operations are only carried out within permitted hours (daytime only). - All vehicles, plant and machinery would be inspected and maintained regularly in line with maintenance schedule set out by the manufacturer's specifications. - The site is located within an established commercial area, surrounded by other commercial businesses as shown in the Site Setting Plan (K452.3~20~003) - Unacceptable noise emissions will be noted and recorded, and attempts will be made to identify the source and remediation measures undertaken.	LOW

¹ [Noise and vibration management: environmental permits - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/noise-and-vibration-management-environmental-permits), Updated 31 January 2022

ERA15 Climate Change

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ERP1 Reception (delivery of material to the site) ERP2 Storage ERP4 Material Dispatch	Humans & Property Environmentally Sensitive Sites Surface Water Groundwater Atmosphere <i>Adverse impact</i>	Land, air, water	MEDIUM	MEDIUM	MEDIUM	- Drainage system monitored and regularly maintained. - Daily site inspection and housekeeping. Annually each bay will be emptied for a deep clean. This process will also be conducted as and when required. - Fire prevention plan in place. - Daily inspections of waste materials, site, plant and equipment by site staff and records kept.	MEDIUM