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 Reception (Delivery of materials to the site) Vehicle Movements **ERP2 Storage** **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**	**MEDIUM**	**MEDIUM**	• Implementation of Odour Management Plan (K547.1~09~006). OMP reviewed annually unless it becomes apparent a review is required sooner. • All food waste accepted in sealed food grade-bags in totes, potential odour generation is reduced. • Waste types accepted onto site isn't of dust producing nature. • Food waste is stored within building and does not undergo treatment. • All vehicles, plant and machinery would be inspected and maintained regularly in line with maintenance schedule set out by the manufacturer's specifications.	**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 management measures?
ERP1 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** *Litter/Debris/ Nuisance*	**Air; windblow, physical transport and deposition**	**MEDIUM**	**LOW**	**MEDIUM**	• All vehicles delivering and collecting materials to / from the site are sheeted. • Waste received within designated area. • All food waste is contained in secure food grade bags within totes on receipt. Stored within dedicated storage building when accepted. • Regular housekeeping of site surfaces to remove litter and debris and prevent spread. • Waste types received at site do not contain significant amounts of light or loose material. • Daily inspections by site staff and records kept. • Waste is removed by registered waste carriers and taken to appropriately permitted facilities	**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 **ERP3 Treatment processes**	***Humans &Property*** ***Environmentally Sensitive Sites***	**Ground and air**	**LOW**	**MEDIUM**	**MEDIUM**	• All waste is received in enclosed vehicles. • Food waste is stored within trailers, in a dedicated storage building. • Waste is stored for minimal periods. Food waste is collected three times per week. • Pest control contractor would be employed where required. • Good housekeeping and daily checks of site carried out.	**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 Reception delivery of material to the site **ERP4 Material Dispatch**	***Humans & Property*** *Amenity impact*	**Direct deposition**	**MEDIUM**	**LOW**	**MEDIUM**	• Internal haul routes are concrete and would be maintained to minimise mud/debris. • Road sweeper and site housekeeping would be used when required. • Daily inspections by site staff and records kept. • Vehicles are sheeted.	**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** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Environmentally Sensitive Sites*** ***Surface Water*** *The closest surface water feature is the Rochdale Canal (320 m northwest of the permit boundary)* ***Groundwater*** *Contamination*	**Land, water, runoff**	**LOW**	**LOW**	**LOW**	• Site benefits from impermeable surface with a sealed drainage system. • There will be no direct discharge to surface water from site. • Spill kits on-site and employees are trained in their use. • Water used in the tote washing process is contained within the plant prior to discharge into foul sewer. This is governed by a Trade Effluent Consent. • Code 2 protected species have been identified during habitat screening - site operates under a sealed drainage system with no unauthorised discharge from site. Only permitted discharge is via a trade effluent consent.	**LOW**

ERA13 Accidents

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?
Transferring substances							
ERP1 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** ***Surface Water*** ***Groundwater*** *Adverse impact*	**Land, air, water**	**LOW**	**MEDIUM**	**MEDIUM**	• All vehicles delivering and collecting materials are sheeted/covered. • All waste transfers are overseen by a competent person. • Loading / unloading occurs within a designated area. • Spill kits on-site and employees are trained in their use. • No liquid waste stored on site and no waste with the potential to produce high BOD liquids. • Wastes stored in containers.	**LOW**

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?
Equipment Failure							
ERP1 Reception (Delivery of material to the site **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** ***Surface Water*** ***Groundwater*** ***Atmosphere*** *Adverse impact*	**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**

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?
Flooding							
ERP1 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** ***Surface Water*** ***Groundwater*** *Adverse impact*	**Land, water**	**LOW**	**MEDIUM**	**MEDIUM**	• Emergency procedures in place • The site is positioned at a lower elevation than 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 on site and employees are trained in their use.	**LOW**

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?
Vandalism							
ERP1 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** ***Surface Water*** ***Groundwater*** ***Atmosphere*** Adverse impact	**Land, air, water**	**LOW**	**MEDIUM**	**MEDIUM**	• Site is secured by fencing and gated. • Externally monitored security systems (CCTV) operate 24/7. • Site is located within an established industrial estate.	**LOW**

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?
Fire							
ERP1 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** ***Surface Water*** ***Groundwater*** ***Atmosphere*** *Adverse impact*	**Spread through physical contact; fanned by winds**	**LOW**	**MEDIUM**	**MEDIUM**	• Wastes are stored in small quantities within containers or trailers. • Storage times are minimised, reducing risk. • 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. • Fire prevention plan in place. • Site is equipped with a fire hydrant. • All incoming waste is from known sources, and storage areas are organised appropriately. All wastes are stored within containers.	**LOW**

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 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Noise sensitive locations***[1] ***Environmentally Sensitive Sites***	**Air, Land**	**LOW**	**MEDIUM**	**MEDIUM**	• 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 (K547.1~20~002) • Site traffic rules minimise the noise impact of vehicles delivering on site. • Vibration is unlikely to be an issue for the bulk of the operations with the only potential source being the container loading activity	**LOW**

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

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?
						• Unacceptable noise emissions will be noted and recorded, and attempts will be made to identify the source and remediation measures undertaken.	

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 Reception (delivery of material to the site) **ERP2 Storage** **ERP3 Treatment processes** **ERP4 Material Dispatch**	***Humans & Property*** ***Environmentally Sensitive Sites*** ***Surface Water*** ***Groundwater*** ***Atmosphere*** *Adverse impact*	**Land, air, water**	**MEDIUM**	**MEDIUM**	**MEDIUM**	• Identification and risk assessment of process equipment and services at greatest risk from flooding • Drainage system monitored and maintained • Regular site cleaning and use of dust suppression systems. • Site drainage has a sealed drain system that goes into foul sewer, External drainage of areas not utilised for storage or treating of waste will discharge fugitively to the local hydraulic regime.	**LOW**