



ENVIROMENTAL RISK ASSESSMENT

Risk Assessment N^o: CUP-RA-072

Activity: Site Activities

Date of Assessment: 03.05.24

Revision: v1.1

Site: EMR Middlesbrough Granulation

Assessed By: Mark Livock

Date for Review: 14 March 2025

Overall Risk Rating: low

Approved by: Carl Lerpiniere

Source	Pathway	Receptor	RISK WITHOUT CONTROLS			CONTROLS (risk management)	RESIDUAL RISK		
			SEVERITY 1-5	LIKELIHOOD 1-5	RATING S x L		SEVERITY 1-5	LIKELIHOOD 1-5	RATING S x L
Surface Rainwater – from the waste storage area	Emissions into local storm water system	Local and Wider Environment	3	5	15	- Rainwater that passes over stored material is regularly tested for hazardous substances. - Stored materials that are deemed hazardous are quarantined and covered to prevent rainwater pathway.	3	2	4
Flooding	Emissions into local storm water system	Local and Wider Environment	3	2	6	Drainage system is maintained and monitored with visual inspections. System is cleaned annually.	3	1	3
Fire on site	Aerial dispersion	Staff and local residents and local environment	5	2	10	- The Fire Risk Assessment and Fire Prevention Plan are reassessed annually or when major changes occur. - There is a Fire detection system in place, which is monitored, regularly tested and maintained 6 monthly. - Firefighting equipment is monitored and available throughout the site. - Staff are trained in the correct use of firefighting equipment. - Combustible materials are kept separate from ignition sources wherever possible. - Stored materials are kept in separate concrete bays, by batch, to prevent the spread of fire.	5	1	5
	Emissions into local storm water system	Local and Wider Environment	5	2	10	- The Yard drainage system can be sealed. - There is sufficient water storage for fire water to be contained. - The building can be sealed to prevent the escape of fire water into the local environment.	5	1	5



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Litter	Aerial dispersion or spillage into local area	Wildlife and human health	3	3	6	<ul style="list-style-type: none"> -Raw materials are inspected on delivery and rejected if they do not conform with the stated EWC code. - Good housekeeping is maintained throughout the site. - Bins are emptied daily. - Daily site inspections are carried out. - Litter picking is carried out as required. - Process waste is contained appropriately, in sealed containers where appropriate. 	2	1	2
Noise / vibration - Noise in the working areas can exceed 99Db.	Air and ground	Human and wildlife disruption	3	5	15	<ul style="list-style-type: none"> - All noisy processes are contained within the main building. - Machinery is well maintained and regularly inspected to minimise noise and vibration. - A noise survey has been carried out by a third party showing minimal disruption to local receptors. - Noise monitoring is conducted regularly to identify early warning of levels increasing. 	3	2	6
Airborne Dust – from site process (cutting and transporting material)	Air	Human health	4	4	16	<ul style="list-style-type: none"> - 90% of the processing takes place inside the main building. - Increased levels of PPE are available when / if required. - Production machines are fitted to a filtered extraction system. - An extraction system maintenance and inspection regime is in place. 	4	1	4
Mud or metals in yard or on local road access	Vehicles moving on and off site	Human health	2	4	8	<ul style="list-style-type: none"> - The Yard and entrance road are swept weekly. - The Yard and access routes are inspected daily. 	2	2	4



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Contamination of groundwater	Emissions through the ground	Groundwater	3	3	9	- The entire working site has an impermeable concrete base. - The drainage system is maintained and regularly inspected.	1	1	1
Pests and scavenging animals	Air and ground	Human health	2	2	4	- Organic material is not accepted or stored on site. -Bins are emptied daily. -Roof gullies are cleaned annually to prevent nesting sites.	1	1	1
Hazardous Substances	Air and ground	Local and Wider Environment	3	2	6	- Hazardous Materials Risk Assessment in place.. - Impermeable concrete floor throughout the site. - Hazardous materials are stored away from potential impact sources and / or protected by barriers. - Spillages are cleaned up using the spill kits / equipment provided. - Water storage tanks can be used to capture any contaminated water for treatment.	2	2	4