



1.2.2.2.3 Environmental Risk Assessment - Acceptance - Non permitted waste

Depot Name & No.:	Newmarket (YNEW)
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Version:	1	Date	October 2023	Manager:	Lee Kilburn / Stuart Spreadbridge
Activity:	Acceptance - non permitted waste			SHE Specialist:	Robert Stevenson
Next Review Due:	October 2026	Actual Review Date:		Reviewed By:	
Reason for Review:				Manager Sign off:	

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Hazardous gases	Ozone depleting substances	Ozone layer	<ol style="list-style-type: none"> Do not accept ODS fridges on site. Inspect loads and reject as necessary. 	1.1, 1.2, 1.3, 1.4, 1.5, 1.8	2	2	4	
Explosive substances	Release of pressure and noise	Off site persons	<ol style="list-style-type: none"> Do not accept any potentially explosive canisters. Previously pressurised canisters to be accompanied by certificate of depressurising. Inspect loads and reject as necessary. 	1.1, 1.2, 1.3, 1.4, 1.7, 1.8	2	2	4	
Hazardous solids	Radioactive sources	Air, soils, water, off site persons	<ol style="list-style-type: none"> Do not accept loads with radioactive sources contained within them. All loads entering site pass through radiation detection units prior to acceptance. Inspect loads and reject or quarantine as necessary. 	1.1, 1.2, 1.3, 1.4, 1.6, 1.8	2	2	4	
	Paints, solvents	Soils and surface waters	<ol style="list-style-type: none"> Containers only accepted if accompanied with certification of cleaning. 	1.1, 1.2, 1.3, 1.4,	2	2	4	

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Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Hazardous liquids			2. Inspect loads and reject as necessary	1.8				
	PCB's	Soils and surface waters	1. Do not accept item if not accompanied by a certificate of cleaning from a valid source. 2. Inspect loads and reject as necessary.	1.1, 1.2, 1.3, 1.4, 1.8	2	2	4	
	Oils and fuels	Soils and surface waters	1. Do not accept any oils and fuels. 2. Inspect loads and reject as necessary.	1.1, 1.2, 1.3, 1.4, 1.8	2	2	4	

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1.2.2.2.3 Environmental Risk Assessment - Acceptance - Non permitted waste

Key

Likelihood (with existing controls)	Index	Severity	Index
Highly unlikely to occur	1	The hazard can result in no detrimental impact on the environment.	1
Unlikely to occur	2	The hazard can result in minor impact on the environment (e.g. nuisance impact requiring small clean up)	2
May occur in time	3	The hazard can result in significant impact on the environment (e.g. potentially harmful requiring clean up operation)	3
Highly Likely to occur in the near future	4	The hazard can result in major impact on the environment (e.g. potentially fatal to organisms requiring major clean up operation)	4
Will occur	5	The hazard can result in catastrophic impacts on the environment (e.g. death of majority of living organisms in surrounding area)	5

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
5-14	TOLERABLE	Further controls may not be required. Consideration may be given to a more cost effective solution or improvement that imposes no additional cost burden. Monitoring is required to ensure that existing controls are maintained.
15+	SUBSTANTIAL	Work must not be authorised until the risk is reduced to at least a moderate level.

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1.2.2.2.10 Environmental Risk Assessment - Equipment

Depot Name & No.:	Newmarket (YNEW)
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Version:	1	Date	October 2023	Manager:	Lee Kilburn / Stuart Spreadbridge
Activity:	Equipment			SHE Specialist:	Robert Stevenson
Next Review Due:	October 2026	Actual Review Date:		Reviewed By:	
Reason for Review:				Manager Sign off:	

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Shear, baler	Oil tank	Soils and surface waters	<ol style="list-style-type: none"> Oil tanks are sealed and integrally banded as part of equipment Daily equipment checks in place Periodic inspection and maintenance programme of site equipment in place Surface water drains via an interceptor to tributary of the River Snail under consent from the Environment Agency (Permit number PR1LF2488) Sampling of discharge by Mayer Environmental Formal inspection of drainage system and interceptor as part of EH&S checks on a regular basis 	2.2, 3.1, 5.2, 6.4	1	2	2	
Mobile Plant	Hydraulic oil, fuel tank	Soils and surface waters	<ol style="list-style-type: none"> Daily equipment checks in place Periodic inspection and maintenance programme of site equipment in place 	2.2, 3.1, 5.2	1	2	2	

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1.2.2.2.10 Environmental Risk Assessment - Equipment

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
			3. Surface water drains via an interceptor to tributary of the River Snail under consent from the Environment Agency (Permit number PR1LF2488) 4. Sampling of discharge by Mayer Environmental 5. Formal inspection of drainage system and interceptor as part of EH&S checks on a regular basis					

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1.2.2.2.10 Environmental Risk Assessment - Equipment

Key

Likelihood (with existing controls)	Index	Severity	Index
Highly unlikely to occur	1	The hazard can result in no detrimental impact on the environment.	1
Unlikely to occur	2	The hazard can result in minor impact on the environment (e.g. nuisance impact requiring small clean up)	2
May occur in time	3	The hazard can result in significant impact on the environment (e.g. potentially harmful requiring clean up operation)	3
Highly Likely to occur in the near future	4	The hazard can result in major impact on the environment (e.g. potentially fatal to organisms requiring major clean up operation)	4
Will occur	5	The hazard can result in catastrophic impacts on the environment (e.g. death of majority of living organisms in surrounding area)	5

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
5-14	TOLERABLE	Further controls may not be required. Consideration may be given to a more cost effective solution or improvement that imposes no additional cost burden. Monitoring is required to ensure that existing controls are maintained.
15+	SUBSTANTIAL	Work must not be authorised until the risk is reduced to at least a moderate level.

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1.2.2.2.11 Environmental Risk Assessment Template - Hot Cutting

Depot Name & No.:	Newmarket (YNEW)
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Version:	1	Date	October 2023	Manager:	Lee Kilburn / Stuart Spreadbridge
Activity:	Hot Cutting			SHE Specialist:	Robert Stevenson
Next Review Due:	October 2026	Actual Review Date:		Reviewed By:	
Reason for Review:				Manager Sign off:	

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Hot cutting oversized material	Risk of fugitive emissions	Atmosphere	<ol style="list-style-type: none"> Containers only accepted if accompanied with evidence of cleaning from a valid source. Burning area located away from sensitive receptors. Smoke and wind direction continually monitored by operatives and CCTV. With additional '2-hourly' checks completed by burning supervisor. If excessive smoke is generated with the potential to cause nuisance outside boundaries, operations will cease until appropriate controls are put in place to stop this. 	1.2	2	2	4	
	Risk of fire/dark smoke	Atmosphere and local community	<ol style="list-style-type: none"> Containers only accepted if accompanied with evidence of cleaning from a valid source. Water available in the area if needed. Fire extinguishers in burning area. Fire hydrant and fire engines available on-site. 	5.1, 5.3	2	3	6	

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1.2.2.2.11 Environmental Risk Assessment Template - Hot Cutting

Key

Likelihood (with existing controls)	Index	Severity	Index
Highly unlikely to occur	1	The hazard can result in no detrimental impact on the environment.	1
Unlikely to occur	2	The hazard can result in minor impact on the environment (e.g. nuisance impact requiring small clean up)	2
May occur in time	3	The hazard can result in significant impact on the environment (e.g. potentially harmful requiring clean up operation)	3
Highly Likely to occur in the near future	4	The hazard can result in major impact on the environment (e.g. potentially fatal to organisms requiring major clean up operation)	4
Will occur	5	The hazard can result in catastrophic impacts on the environment (e.g. death of majority of living organisms in surrounding area)	5

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
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1.2.2.2.12 Environmental Risk Assessment Template - Sensitive Receptors

Depot Name & No.:	Newmarket (YNEW)
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Version:	1	Date	October 2023	Manager:	Lee Kilburn / Stuart Spreadbridge
Activity:	Impact on sensitive receptors / environmental nuisance			SHE Specialist:	Robert Stevenson
Next Review Due:	October 2026	Actual Review Date:		Reviewed By:	
Reason for Review:				Manager Sign off:	

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Releases of particulate matter (dusts) and micro-organisms (bioaerosols).	Harm to human health - respiratory irritation and illness.	Local human population	1. Permitted waste types do not include dusts, powders or loose fibers. There is potential for exposure if anyone is living or working close to the site (apart from the operator and employees)	4.4, 4.11	2	2	4	
	Nuisance - dust on cars, clothing etc.	Local human population – sensitivity to dust						
Litter	Nuisance, loss of amenity and harm to animal health	Local human population (sensitivity to litter), livestock and wildlife.	1. Permit Conditions - emissions of substances not controlled by emission limits. 2. General housekeeping 3. General waste facilities provided on-site 4. Regular inspection of site boundaries and clearing litter arising from the activities from affected areas outside the site.	4.2, 4.11	2	2	4	
Waste, litter and mud on local roads	Nuisance, loss of amenity, road traffic accidents. Vehicles entering and	Local human population (sensitive to mud/litter on roads and road safety).	1. Permit Conditions - emissions of substances not controlled by emission limits. 2. Regular inspection of site boundaries and clearing litter arising from the activities from affected areas outside the site.	4.2, 4.4, 4.11	2	2	4	

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1.2.2.2.12 Environmental Risk Assessment Template - Sensitive Receptors

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
	leaving site		3. Road Sweeper deployed where necessary					
Odour	Nuisance, loss of amenity	Local human population (sensitivity to odour).	1. Permitted waste types have low odour potential. 2. Permit Conditions - emissions shall be free from odour.	4.5	1	2	2	
Noise and vibration	Nuisance, loss of amenity, loss of sleep. Noise through the air and vibration through the ground.	Local human population (sensitive to noise and vibration)	1. Permit conditions - emissions shall be free from noise and vibration.	4.3b	3	2	6	
Pests (e.g. flies)	Harm to human health, nuisance, loss of amenity	Local human population	1. Permit Conditions - emissions of substances not controlled by emission limits (including those from scavenging animals, scavenging birds and other pests) shall not cause pollution. 2. Permitted wastes unlikely to attract pests. 3. Pest control contractor available to attend site at short notice if required.	4.5, 4.8	1	2	2	
Flooding of site	Any waste/contaminates washed off site it may contaminate buildings / gardens / natural habitats downstream.	Local human population and local environment	1. Management system - Flood risk management procedures in place. 2. Containment of wastes on site.		3	3	9	

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1.2.2.2.12 Environmental Risk Assessment Template - Sensitive Receptors

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
All on-site hazards: wastes; machinery and vehicles.	Bodily injury – direct physical contact.	Local human population and / or livestock after gaining unauthorised access to the waste operation	<ol style="list-style-type: none"> Permitted activities - managed and operated in accordance with a management system (will include site security measures to prevent unauthorised access). 		1	2	2	
Arson and / or vandalism causing the release of polluting materials to air (smoke or fumes), water or land.	<p>Respiratory irritation, illness and nuisance to local population.</p> <p>Injury to staff, firefighters or arsonists/vandals.</p> <p>Pollution of water or land.</p>	Local human population, local environment and all surface waters close to and downstream of site	<ol style="list-style-type: none"> Environmental management system includes response to fire and spillages. Permitted activities - managed and operated in accordance with a management system which includes site security measures to prevent unauthorised access. Permitted activities - do not include the burning of wastes. Approved Fire Prevention Plan (FPP) operational. Risk of accidental/self-combustion extremely low. Firefighting equipment available on-site. 	5.1, 5.2	2	4	8	
Accidental fire causing the release of polluting materials to air (smoke or fumes), water or land.	<p>Nuisance, harm to human health, loss of amenity, deterioration of water quality</p> <p>Loss of amenity, deterioration of water quality</p>							

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1.2.2.2.12 Environmental Risk Assessment Template - Sensitive Receptors

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Serious Fire								
Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste e.g. containing suspended solids – direct run-off from site.	Acute effects: oxygen depletion, fish kill and algal blooms Chronic effects: deterioration of water quality	All surface waters close to and downstream of site.	<ol style="list-style-type: none"> 1. Permit Conditions - emissions of substances not controlled by emission limits (including rain water run-off etc.) 2. Permit conditions - All liquids provided with secondary containment (also applies to wastes and non-wastes such as fuels). 3. Run-off restricted by permitted conditions (emissions of substances not controlled by emission limits). 4. Spill response equipment readily available across the site. 	5.2	2	3	6	
Contaminated waters used for recreational purposes	Harm to human health - skin damage or gastro-intestinal illness.	Local human population	<ol style="list-style-type: none"> 1. Permit Conditions - emissions of substances not controlled by emission limits (including rain water run-off etc.) 2. Unlikely to occur - no recreation use waters in area. 	5.2	1	1	1	
Permitted activities	Harm to protected site through toxic contamination, nutrient enrichment, smothering, disturbance,	Protected sites - European sites and SSSIs	<ol style="list-style-type: none"> 1. Permit Conditions - emissions of substances not controlled by emission limits (including rain water run-off etc.) 	7.1	2	4	8	

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1.2.2.2.12 Environmental Risk Assessment Template - Sensitive Receptors

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
	predation etc.							

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1.2.2.2.12 Environmental Risk Assessment Template - Sensitive Receptors

Key

Likelihood (with existing controls)	Index	Severity	Index
Highly unlikely to occur	1	The hazard can result in no detrimental impact on the environment.	1
Unlikely to occur	2	The hazard can result in minor impact on the environment (e.g. nuisance impact requiring small clean up)	2
May occur in time	3	The hazard can result in significant impact on the environment (e.g. potentially harmful requiring clean up operation)	3
Highly Likely to occur in the near future	4	The hazard can result in major impact on the environment (e.g. potentially fatal to organisms requiring major clean up operation)	4
Will occur	5	The hazard can result in catastrophic impacts on the environment (e.g. death of majority of living organisms in surrounding area)	5

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
5-14	TOLERABLE	Further controls may not be required. Consideration may be given to a more cost effective solution or improvement that imposes no additional cost burden. Monitoring is required to ensure that existing controls are maintained.
15+	SUBSTANTIAL	Work must not be authorised until the risk is reduced to at least a moderate level.

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1.2.2.2.13 Environmental Risk Assessment Template - Shearing

Depot Name & No.:	Newmarket (YNEW)
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Version:	1	Date	October 2023	Manager:	Lee Kilburn / Stuart Spreadbridge
Activity:	Shearing			SHE Specialist:	Robert Stevenson
Next Review Due:	October 2026	Actual Review Date:		Reviewed By:	
Reason for Review:				Manager Sign off:	

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Shearing Material	Risk of pollution from oil	Land and surface water	<ol style="list-style-type: none"> Absorbent materials are available to clean up spillages if necessary. Fixed plant is set on impermeable surface served by a sealed drainage system. Site surface condition inspected formally. Equipment inspected daily and maintained regularly. Drainage system fitted with interceptor – Flow from the interceptor is controlled manually therefore in the event of potential pollution flow can be stopped and surface water can be retained. 	5.2	2	2	4	
	Risk of noise	Local community	<ol style="list-style-type: none"> Where possible, machinery is situated away from sensitive receptors. Site located in industrial area. Machinery is maintained regularly. Materials are handled by trained operatives. All complaints received are logged and investigated. 	4.3	2	2	4	

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1.2.2.2.13 Environmental Risk Assessment Template - Shearing

Key

Likelihood (with existing controls)	Index	Severity	Index
Highly unlikely to occur	1	The hazard can result in no detrimental impact on the environment.	1
Unlikely to occur	2	The hazard can result in minor impact on the environment (e.g. nuisance impact requiring small clean up)	2
May occur in time	3	The hazard can result in significant impact on the environment (e.g. potentially harmful requiring clean up operation)	3
Highly Likely to occur in the near future	4	The hazard can result in major impact on the environment (e.g. potentially fatal to organisms requiring major clean up operation)	4
Will occur	5	The hazard can result in catastrophic impacts on the environment (e.g. death of majority of living organisms in surrounding area)	5

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
5-14	TOLERABLE	Further controls may not be required. Consideration may be given to a more cost effective solution or improvement that imposes no additional cost burden. Monitoring is required to ensure that existing controls are maintained.
15+	SUBSTANTIAL	Work must not be authorised until the risk is reduced to at least a moderate level.

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1.2.2.2.14 Environmental Risk Assessment - Emergencies

Depot Name & No.:	Newmarket (YNEW)
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Version:	1	Date	October 2023	Manager:	Lee Kilburn / Stuart Spreadbridge
Activity:	Risk associated with potential emergency scenarios			SHE Specialist:	Robert Stevenson
Next Review Due:	October 2026	Actual Review Date:		Reviewed By:	
Reason for Review:				Manager Sign off:	

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Uncontrolled releases of airborne emissions / particulate matter (dusts)	Harm to human health - respiratory irritation and illness.	Local human population including staff members	<ol style="list-style-type: none"> Permitted waste types do not include dusts, powders or loose fibers. Emergency shut down procedures in place in the event of an accidental emission from processing equipment. Abatement measures built into processing equipment & associated maintenance regime in place. On-site dust suppression and housekeeping. 	4.4, 4.11	2	2	4	
	Nuisance - dust on cars, clothing etc.	Local human population – sensitivity to dust						
Explosions	Release of pressure and noise, Fire	On-site staff, Local human population	<ol style="list-style-type: none"> Designated gas cylinder storage area suitable distance from infeed area to avoid accidental loading Cylinders only accepted with clear evidence of depressurising. Inspection of all material as far as practically possible, in the case of baled material the load is inspected in accordance with the Health and Safety procedures. 	4.7	2	3	6	

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1.2.2.2.14 Environmental Risk Assessment - Emergencies

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Flooding of site	Waste / contaminants washed off site without proper treatment	Local human population and local environment (watercourses, groundwater, local habitats)	<ol style="list-style-type: none"> 1. Management system - Flood risk monitored and management procedures in place. 2. Water directed to site drainage system via impermeable surface. 3. Drainage system regularly maintained. 4. Containment of waste / products on-site - Polluting items are either sealed, tied down or stored in buildings e.g. fuel tanks capped off / sealed and drums of oil moved inside buildings. 	3.5	2	2	4	
Arson and / or vandalism causing the release of polluting materials to air (smoke or fumes), water or land.	<p>Respiratory irritation, illness and nuisance to local population.</p> <p>Injury to staff, firefighters or arsonists/vandals.</p> <p>Pollution of water or land.</p>	Local human population, local environment and all surface waters close to and downstream of site	<ol style="list-style-type: none"> 1. Approved Fire Prevention Plan (FPP) in place. 2. Crisis Communication Plan in place. 3. Alarm system in place. 4. Fire-fighting equipment available on-site. 5. On-site fire marshals and operatives trained to use firefighting equipment. 6. Permitted activities - Managed and operated in accordance with a management system 	5.1	2	5	10	

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1.2.2.2.14 Environmental Risk Assessment - Emergencies

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
<p>Accidental fire causing the release of polluting materials to air (smoke or fumes), water or land.</p> <p>Serious fire from on-site risks (hot loads, damaged li-ion batteries etc.).</p>	<p>Nuisance, harm to human health, loss of amenity, deterioration of water quality</p> <p>Loss of amenity, deterioration of water quality</p>		<p>which includes site security measures to prevent unauthorised access.</p> <p>7. Permitted activities - Burning of waste is not permitted on-site.</p> <p>8. Permit to work system in place for any hot works.</p> <p>9. Risk of accidental / self-combustion extremely low – Where potential is identified loads are temperature checked / regularly rotated.</p> <p>10. Fire drills conducted on a regular basis.</p> <p>11. Site fitted with penstock valve to contain firewater discharge.</p> <p>12. Robust waste acceptance procedures in place.</p>					

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1.2.2.2.14 Environmental Risk Assessment - Emergencies

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Spillage of hazardous liquids, leachate from waste, contaminated rainwater run-off from waste e.g. containing suspended solids – direct run-off from site.	Acute effects: oxygen depletion, fish kill and algal blooms. Chronic effects: deterioration of water quality.	All surface waters close to and downstream of site.	<ol style="list-style-type: none"> Discharge sampling regime in place. Site infrastructure - Impermeable surface across the site. Surface water directed towards drainage system with appropriate treatment system (e.g. interceptor) and penstock valve. Hazardous liquids provided with secondary containment (also applies to wastes and non-wastes such as fuels). Spill response equipment readily available across the site. 	5.2	2	4	8	
Asbestos	Disturbance of asbestos containing material resulting in emission of particulates - Harm to human health - respiratory irritation and illness.	On-site staff, Local human population	<ol style="list-style-type: none"> Asbestos register maintained on-site. Robust waste acceptance procedures in place. Staff trained in asbestos awareness. Designated quarantine area available. Specialist asbestos contractors available. Equipment available to damp down material. 	1.2, 1.3	2	2	4	
Radioactive items	Harm to health - Exposure to radiation	On-site staff, Local human population, Local environment (in the event of radiation release).	<ol style="list-style-type: none"> Radiation local rules in place. Radiation protection supervisors in place. Radiation protection advisors available. Radiation detectors at the weighbridge. Lead lined bunker available to quarantine material. 	1.6, 2.12	2	2	4	

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1.2.2.2.14 Environmental Risk Assessment - Emergencies

Source	Hazard	Receptor	Physical Control Measures in Place	Relevant EPP's	Likelihood	Severity	Risk Level	NEW Control Measures Required (Actions required responsibility and target dates).
Bomb or munition	Major explosion - Release of pressure and noise, Fire	On-site staff, Local human population, Local environment and habitats.	<ol style="list-style-type: none"> Emergency evacuation procedures in place. Robust waste acceptance procedures in place. Crisis communication plan in place. Exclusion zones / ability to close site and cordon off area of risk. 	1.7	1	4	4	

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1.2.2.2.14 Environmental Risk Assessment - Emergencies

Key

Likelihood (with existing controls)	Index	Severity	Index
Highly unlikely to occur	1	The hazard can result in no detrimental impact on the environment.	1
Unlikely to occur	2	The hazard can result in minor impact on the environment (e.g. nuisance impact requiring small clean up)	2
May occur in time	3	The hazard can result in significant impact on the environment (e.g. potentially harmful requiring clean up operation)	3
Highly Likely to occur in the near future	4	The hazard can result in major impact on the environment (e.g. potentially fatal to organisms requiring major clean up operation)	4
Will occur	5	The hazard can result in catastrophic impacts on the environment (e.g. death of majority of living organisms in surrounding area)	5

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
5-14	TOLERABLE	Further controls may not be required. Consideration may be given to a more cost effective solution or improvement that imposes no additional cost burden. Monitoring is required to ensure that existing controls are maintained.
15+	SUBSTANTIAL	Work must not be authorised until the risk is reduced to at least a moderate level.

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