

	WML Ref	Depot Name	Depot Manager
	TBC	EMR Jersey Ltd	Kerri Thomas
Environmental Risk Assessment	Date	Author (Print & Sign)	Validated By (Print & Sign)
	DRAFT	L Allen	

Source	Hazard	Receptor	Control Measures In Place	Likelihood	Severity	Risk Level	New Control Measures Required (Record action, responsibility and target date)
Explosive substances	Release of pressure and noise	Local community	<ol style="list-style-type: none"> 1. Site not to accept any potentially explosive canisters. 2. Suitable signage displayed at the weighbridge. 3. Site to inspect loads and reject where necessary. 	2	2	4	No further action
Hazardous solids	Radioactive source	Soil, water, local community	<ol style="list-style-type: none"> 1. Loads not accepted with radioactive sources contained within them. 2. Signage displayed at the weighbridge where appropriate 3. Loads inspected and where necessary waste rejected or quarantined. 	2	2	4	No further action
Hazardous liquids	Risk of pollution from paints & solvents	Soil and surface waters	<ol style="list-style-type: none"> 1. Containers only to be accepted if accompanied with evidence of cleaning from a valid source. 2. Loads inspected and where necessary waste rejected or quarantined. 	2	2	4	No further action
	Risk of pollution from PCBs	Soil and surface waters	<ol style="list-style-type: none"> 1. Containers only to be accepted if accompanied with evidence of cleaning from a valid source. 2. Loads inspected and where necessary waste rejected or quarantined. 	2	2	4	No further action
	Risk of pollution from oils & fuels	Soil and surface waters	<ol style="list-style-type: none"> 1. Oils and fuels are only accepted on site when contained as part of an undepolluted ELV. 2. Loads to be inspected and rejected as necessary. 3. Regular interceptor and drainage cleaning to be carried out as per manufacturers requirements 4. Regular checks to be carried out on the drainage system and interceptor to monitor oil levels 	2	2	4	No further action

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ELVs	Explosive release of pressure & noise	Local atmosphere & community	<ol style="list-style-type: none"> All ELVs are directed to the depollution area immediately after being accepted. Batteries to be removed as soon as practical to minimise risk of fire 	2	2	4	No further action
	Risk of pollution from oils and fuels	Soil and surface water	<ol style="list-style-type: none"> All ELVs are directed to depollution area immediately after being accepted. Absorbent materials are available to clean up spillages as necessary. 	2	2	4	No further action
Cooling appliances	Ozone depleting substances, greenhouse gases, compressor oil	Atmosphere, soil and surface water	<ol style="list-style-type: none"> Cooling appliances are stored in a designated area All cooling appliance are stored on impermeable surface served by a sealed drainage system in a manner that will not hinder loading for export Absorbent materials are available to clean up spillages as necessary. 	1	3	3	No further action
Lead acid batteries	Sulphuric acid	Soil and surface water	<ol style="list-style-type: none"> Lead acid batteries will only be accepted if they undamaged and not leaking. All loads to be inspected and rejected as necessary. All batteries are stored in appropriate covered containers on impermeable surfaces served by a sealed drainage system. Absorbent materials are available to clean up spillages as necessary. 	1	2	2	No further action
	Transportation of bulk batteries to treatment sites.	Soil, surface water and sea	<ol style="list-style-type: none"> Vehicles drivers are instructed to drive only on authorised routes. 	1	2	2	No further action

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Storage of undepolluted ELVs containing potentially polluting substances	Risk of pollution to land and water	Soil, surface and groundwater	1. ELVs awaiting treatment are stored on an impermeable surface served by a sealed drainage system. 2. Regular inspections of the site surfaces are carried out by site management and defects/repairs required are reported to DFI	2	1	2	No further action
	Risk of fire	Atmosphere	1. ELVs are to be stored separate from other scrap prior to depollution. 2. Smoking and naked lights prohibited in the ELV zoned area 3. Fire fighting equipment is available on site if required.	3	2	6	No further action
Pests on site	Risk of nuisance and disease	Local community	1. The site does not receive wastes likely to attract pests. 2. Planned ongoing daily disposal of wastes to minimise attracting pests and good housekeeping is required. 4. Pest issues will be reported and dealt with swiftly by site management. Regular pest control will be carried out by an appointed contractor.	1	1	1	No further action
Storage of contaminated scrap metal	Risk of pollution to land	Soil, surface and groundwater	1. Potentially polluting material is stored on an impermeable surface served by a sealed drainage system.	2	1	2	No further action
Storage of small mixed WEEE	Risk of pollution to land	Soil, surface and groundwater	1. Small mixed WEEE material is stored in a designated bay. 2. Site has full drainage system with interceptor and penstock	2	1	2	No further action

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Storage of uncontaminated scrap metal	Risk of pollution to land	Soil, surface and groundwater	1. Uncontaminated material, by definition, is not likely to cause pollution to the environment.	1	1	1	No further action
Storage of metals	Detriment to visual amenity	Local community	1. Stacks are kept to minimum heights if directed by site licence and planning conditions. 2. All complaints received are recorded and investigated.	2	1	2	No further action
Litter within accepted materials	Detriment to visual amenity	Local community	1. The site will maintain general waste storage facilities on site. 2. Planned ongoing daily disposal of wastes to minimise attracting pests and good housekeeping is required.	2	1	2	No further action
Loading unloading and movement of metal within the site	Risk of dust to local atmosphere	Atmosphere	1. Road sweepers will be contracted to clean the site as required. 2. Good housekeeping will be maintained. 3. All complaints are recorded and investigated.	2	2	4	No further action
	Risk of noise	Local community	1. Loading and unloading of materials will be carried out only during the site's permitted operating hours. 2. Operatives are instructed to minimise drop heights and adhere to SMART working practices.				No further action

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Storage of potentially flammable material	Risk of fire	Atmosphere	<ol style="list-style-type: none"> 1. Loads are inspected on arrival and potential fire risks are removed or rejected from site as necessary. 2. Scrap metal is stored in stacks with adequate fire breaks between. 3. Stacks area kept to minimum heights as directed by licence and planning conditions. 	2	2	4	No further action
Treatment of ELVs	Risk of pollution to land	Soil and surface water	<ol style="list-style-type: none"> 1. All liquids are removed from vehicles transferred to tanks using purpose built depollution equipment. 2. All operations undertaken on impermeable surface served by a sealed drainage system. 	2	1	2	No further action
	Risk of dust and particulates to local atmosphere	Atmosphere	No dust is generated from storage and processing of ELVs	2	2	4	No further action
Battery storage	Risk of acid to land	Soils and surface water	<ol style="list-style-type: none"> 1. Batteries are removed from ELVs and segregated and stored upright in containers and covered to prevent ingress of rainwater. 2. Regular inspections of storage containers and storage areas is carried out to ensure adequate containment. 3. All containers are stored on impermeable surfaces served a sealed drainage system. 	2	2	4	No further action
Liquid waste storage	Risk of pollution to land	Soil and surface water	1. All hazardous liquids removed from site by an authorised contractor with hazardous waste consignment notes (where applicable)	1	2	2	No further action

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Airbag deployment	Risk of increased noise	Energy transmission & Atmosphere	1. Noise from the process is contained within vehicle. 2. The activity is conducted during permitted operating hours.	2	2	4	No further action
Hot cutting oversized material	Risk of fugitive emissions	Atmosphere	1. Containers are only accepted if accompanied with evidence of cleaning from a valid source.	2	2	4	No further action
	Risk of fire/dark smoke	Atmosphere and local community	1. Tanks are only accepted if accompanied with evidence of cleaning from a valid source.	2	2	4	No further action
Shearing and baling of material	Risk of pollution from oil	Land and surface water	1. Absorbent materials are available to clean up spillages if necessary. 2. All waste oil drums are stored in secondary containment. 3. Fixed plant is set on an impermeable surface served by a sealed drainage system. 4. Equipment is inspected daily and maintained regularly.	2	2	4	No further action
	Risk of noise	Local community	1. Where possible, machinery is situated away from sensitive receptors. 2. Machinery is maintained regularly and pump houses are kept enclosed. 3. Materials are handled by trained operatives. 4. All complaints received are logged and investigated.	2.5	2	5	No further action

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			5. Vibration is at low levels (due to design and damping of shear)				
Transport vehicles delivering scrap / exporting processed materials	Vibration / acidic exhaust gases	Local community	<ol style="list-style-type: none"> Hauliers only to use approved routes Hauliers to minimise idling of vehicles 	1	2	2	No further action

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

Risk Rating	Risk Level	Risk Level (Likelihood x Severity) – Action & Timescale
1-4	TRIVIAL	No further action is required.
5-9	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.
10+	SUBSTANTIAL	Work must not be authorised until the risk is reduced to at least a moderate level.