

## E02-02-04 Environmental Risk Assessment - Storage Prior to Processing

Depot Name & No.:	Gladstone S1
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Version:	1	Date	October 2020	Depot Manager:	
Activity:	Storage Prior to Processing			SHE Specialist	
Next Review Due	October 2022			Reviewed By:	(print & sign)
Actual Review Date		Reason for Review	Transfer into IMS template	Manager Sign off:	(print & sign)

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).
Storage of contaminated scrap metal	Risk of pollution to land	Soils and surface water	<ol style="list-style-type: none"> <li>Potentially polluting material stored on impermeable surface served by a sealed drainage system or within a sealed container.</li> <li>Turnings potentially contaminated with cutting fluid are stored within designated bay with inbuilt underground tanks for containment of oils / fluids.</li> <li>Sleeping policemen installed on the turning bays.</li> <li>Automatic traffic light system to identify when the sump needs emptying.</li> </ol>	2.3, 2.4, 2.5, 2.6, 2.7, 2.9, 2.10, 2.11, 2.12, 3.6	2	2	4	
Storage of uncontaminated scrap metal	Risk of pollution to land	Soils and surface water	<ol style="list-style-type: none"> <li>Uncontaminated material, by definition, is not likely to cause pollution to the environment.</li> <li>Stored on an impermeable surface.</li> </ol>		1	1	1	
Storage of metals	Detriment to visual amenity	Local community	<ol style="list-style-type: none"> <li>Stacks kept to minimum heights as stated in planning conditions.</li> </ol>	2.3, 2.4, 2.5, 2.6, 2.7, 2.9,	2	1	2	

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			<ol style="list-style-type: none"> <li>Site is set within an industrial area.</li> <li>All complaints received are recorded and investigated.</li> </ol>	2.10, 2.11, 2.12, 3.6			4	
Litter within accepted materials	Detriment to visual amenity	Local community	<ol style="list-style-type: none"> <li>General waste storage facilities maintained on-site.</li> <li>Inspection of loads entering site for presence of litter.</li> <li>Regular housekeeping.</li> </ol>	2.3, 2.4, 2.5, 2.6, 2.7, 2.9, 2.10, 2.11, 2.12	2	2	4	
Loading, unloading and movement of metal within the site	Risk of dust to local atmosphere	Air	<ol style="list-style-type: none"> <li>Road sweeper contracted to clean the site on a regular basis.</li> <li>Bobcat with brush attachment on-site for use as required.</li> <li>Water bowser available on-site for damping down if necessary.</li> <li>Drop heights minimised.</li> <li>Site speed limit in place.</li> <li>Regular housekeeping.</li> <li>Large metal retaining walls act as barriers to contain dust.</li> <li>Site located within an industrial area.</li> <li>Daily recording of dust emissions and mitigation measures.</li> <li>All complaints recorded /investigated.</li> </ol>	2.7, 3.4, 4.1	2	3	6	
Loading unloading and movement of metal within the site	Risk of noise	Local community	<ol style="list-style-type: none"> <li>Loading and unloading of materials only conducted during site's operating hours.</li> <li>Operatives instructed to minimise drop</li> </ol>	4.3	2	2	4	

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			<ul style="list-style-type: none"> <li>heights / handle scrap in a way that minimises noise.</li> <li>3. Site is in industrial area.</li> <li>4. Large metal retaining wall around part of the site acts as noise barrier.</li> <li>5. All complaints recorded &amp; investigated.</li> </ul>					
Storage of potentially combustible/flammable material	Risk of fire	Air	<ul style="list-style-type: none"> <li>1. Loads inspected on arrival, potential fire risks are removed or rejected from site as necessary.</li> <li>2. Combustible scrap stored in stacks with adequate fire breaks / barriers between whenever possible.</li> <li>3. Stock levels kept to a minimum (if capacity is reached then no further waste will be accepted until a collection can be arranged to reduce stock).</li> <li>4. Tyres and wood kept in segregated skips.</li> <li>5. Fire fighting equipment (including hydrant and fire engines) available on-site.</li> </ul>	2.2, 2.4, 2.5, 2.6, 2.7, 2.9, 2.10, 2.11, 2.12, 3.5, 3.8, 3.9, 3.10	2	5	10	
Storage of material within the site boundary	Storage of waste outside permitted areas	Water and Land	<ul style="list-style-type: none"> <li>1. Staff aware of site boundary &amp; levels of stacking permitted.</li> <li>2. Boundaries are bordered by metal retaining walls and fences to stop material falling outside permitted area.</li> <li>3. Daily checks to inspect areas around licenced area.</li> <li>4. Material is stored in such a way as to minimise the potential for waste to escape</li> </ul>	2.2, 2.4, 2.5, 2.6, 2.7, 2.9, 5.2, 5.3, 5.4	2	2	4	

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			the boundary.					

### 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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