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| **Table A1** | **Odour risk assessment** |  |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
| **A1.1** | *Odour release from opening containers* | *See Table A7* | *Air* | *Containers opened carefully. Containers resealed immediately on detection of odour. Preclusion of odorous materials on pre-acceptance. (ROC004 Issue 2 and WI013)* | *Unlikely* | *Odour annoyance for very short duration* | *Not significant* |
| **A1.2** | *Odour release from spillage* | *See Table A7* | *Air* | *Odorous materials are precluded on pre-acceptance. Canisters are carried to the process area within their transportation container. (Spillage procedure ref ROC004 Issue 2, appendix WI018)* | *Unlikely* | *Odour annoyance for very short duration* | *Not significant* |
| **A1.3** | *Odour release waste materials produce.* | *See Table A7* | *Air* | *Waste contained in sealed UN approved vessels. Preclusion of odorous materials on pre-acceptance. (ROC004 Issue 2 and WI027, WIO17)* | *Unlikely* | *Odour annoyance for very short duration* | *Not significant* |
| **Table A2** | **Noise & vibration risk assessment** |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
| **A2.1** | *There are no significant sources of noise* | *See Table A7* | *Air* | *There is no noise greater than 80db at the site boundary. Equipment undergoes scheduled preventative maintenance programs. Although the site is permitted for 24 hours operation, all operations cease by 7pm.*  | *Unlikely* | *Hearing affected* | *Very Low* |
| **A2.2** | *There are no significant sources of vibration* |  |  |  |  |  | *None* |

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| **Table A3** | **Fugitive Emissions risk assessment** |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
|  | **To Air** |
| **A3.1** | *Release of VOC's from opening containers* | *See Table A7* | *Air* | *Containers opened upon inspection for short duration only and resealed immediately. (ROC004 Issue 2 and WI013)* | *Unlikely* | *Detection of VOC odour for short period* | *Not significant* |
| **A3.2** | *Release of VOC's from storage of Aerosols* | *See Table A7* | *Air* | *Aerosols are transferred into metal, sealed, vented, UN approved vessels, and stored within lockable containers.. (ROC004 Issue 2)* | *Unlikely* | *Detection of VOC odour for short period* | *Not significant* |
| **A3.3** | *Emission of VOC's from accidental spillage* | *See Table A7* | *Air* | *Liquid waste containers are sealed to prevent VOC escape. (Spillage procedure ref ROC004 Issue 2, and WI018)* | *Unlikely* | *Detection of VOC odour for short period* | *Not significant* |
|  | **To Water** |
| **A3.4** | *Release to water through spillage/rupture from containers* | *Groundwater* | *Soil and groundwater* | *Bunding and concrete hard standing. Shut-off valves. Spillage procedures. (Spillage procedure ref ROC004 Issue 2, WI018). Daily inspections are carried out of bunds, hard standing, perimeter fencing etc.* *Container integrity checks as part of waste acceptance analysis. All waste storage bunded and segregated.* | *Unlikely* | *Contamination of groundwater* | *Not significant* |
|  | **Pests** |
| **A3.5** | *There are no waste streams that are a source of food that will attract vermin or birds.* |  |  | *Contract for routine pest control in place with national provider. No infectious or malodorous waste to be accepted at site.* |  |  | *None* |
|  | **Mud/Litter** |  |  |  |  |  |  |
| **A3.6** | *There are no waste streams that will result in the release of litter or mud* |  |  |  |  |  | *None* |

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| **Table A4** | **Accidents risk assessment and management plan** |  |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
| **A4.1** | *Release to water through uncontrolled run off* | *Sewage Works* | *Sewer* | *Sewer outlet is fitted with a penstock valve, the default position of which is closed during operational and non-operational hours. Management approval is required to open after assessment of the quality of the surface water. (ROC004 Issue 2, WI039)* | *Unlikely* | *Breakdown of sewage works. Contamination of outfall from sewage works.* | *Not significant* |
| **A4.2** | *Release of VOC's to atmosphere from accidental spillage.* | *See Table A7* | *Air* | *Liquid solvents are stored in appropriate bunded area. Spillage material is used to absorb spillages and contained in sealed containers placed into appropriate storage. (Spillage procedure ref ROC004 Issue 2, WI018)* | *Unlikely* | *Detection of VOC odour for short period* | *Not significant* |

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| **A4.3** | *Fire causing emissions to air* | *See Table A7* | *Air* | *Rigorous fire precautions and procedures (WI0026). Emergency plan (WI002). Automatic fire alarm system. Internal and external CCTV monitoring with visual confirmation. Smoking and the use of mobile phones are banned on site. Control of contractor’s procedure with a rigorous permit to work system and hot work permits. Container temperature checks procedure (WI069). Fire Prevention Plan in place and reviewed frequently.**Fire Risk assessment by external assessor. Pyroban forklifts are used within the DSEAR zoned areas. Aerosol storage walls are fitted with lower and upper ventilation grills with no combustible storage. daily checks and audits. Rigorous housekeeping.*  | *Possible* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans. Breakdown of sewage works. Contamination of outfall from sewage works. Risk of fire spread to adjoining businesses.* | *Low*  |

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| **A4.4** | *Fire in flammable storage causing emissions of firewater to sewer* | *Sewage Works & see Table A7* | *Sewer/Air* | *Fire detection system. Individual bay bunding. Isolation valves to prevent access to sewer (WI0039). Emergency Plan (WI002) thermal cameras installed in warehouse and external buildings for early warning detection.* | *Possible* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans* | *Low*  |
| **A4.5** | *Fire to the detriment of adjacent neighbours* | *See Table A7* | *Air* | *Rigorous fire precautions and procedures (WI0026). Emergency plan (WI002). Automatic fire alarm system. Internal and external CCTV monitoring with visual confirmation. Smoking and the use of mobile phones are banned on site. Control of contractor’s procedure with a rigorous permit to work system and hot work permits. Security perimeter checks and internal out of hour walk rounds. Container temperature checks procedure (WI069). Cast concrete Walls or fire resistant cladding separates working areas from neighbours.**Fire Risk assessment by external assessor skills. Pyroban forklifts are used within the DSEAR zoned area. Aerosol warehouse walls are fitted with lower and upper ventilation grills with no combustible storage. daily checks and audits. Rigorous housekeeping.*  | *Possible* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans* | *Low*  |
| **A4.6** | *Fire or VOC release due to incompatibility of substances* | *See Table A7* | *Air* | *Pre-acceptance (WI027) and waste acceptance (WI013) procedures by competent technical analysis staff and qualified chemists’ segregation in accordance with HSG71. Separately bunded designated waste bays. Daily checks and site audits* | *Unlikely* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans* | *Low*  |
| **A4.7** | *Spread of fire due to pooling of flammable liquid* | *See Table A7* | *Air/Sewer* | *Individually bunded storage bays. Site fully bunded, Isolation valves to prevent access to sewer. Fire Risk assessment, flammable storage bund and adjoining yard capable of containing total release of flammable liquid storage capacity, yard area adjoining flam bays slope either side resulting in spill containment and stoppage of further spread.*  | *Unlikely* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans* | *Low* |

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| **Table A5** | **Surface Water risk assessment and management plan** |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
| **A5.1** | *Release of contaminated materials to surface water through spillage* | *Sewage Works* | *Sewer* |  *Surface water is held / tested before release to sewer. Sewer outlets are fitted with a shut-off valve, the default position of which is closed during operational and non-operational hours. approval is required from general manager to open after assessment of the quality of the surface water. (ROC004 Issue 2, WI039). (Spillage procedure ref ROC004 Issue 2, WI018)* | *Unlikely* | *Breakdown of sewage works* | *Not significant* |
| **A5.2** | *Risk of Flooding* | *Site yard, Storage areas, Reception Bay* | *Via roadway or heavy rainfall* | *River Medway in the area contains a raised embankment as part of the national measures to protect against flooding. Welfare facilities are located within portakabins, these are raised off the ground.* *Reception building is raised and separated from the main yard. A bund of approximately 20cm in height must be breached across the entire span of the main yard in order to flood into the waste.* *Main Storage warehouse is approximately 50cm higher than the plain of the main yard.* *All waste is palletised and containerised. Pallet height increases the distance from the floor by 15cm.* *Containers of each package are of sufficient integrity so as to not allow ingress of water and therefore avoid the risk of contamination or release**The majority of all waste stored on site is at a height of at least 1.3m due to racking being the primary method of storage.**Site can hold approximately 750 tonnes of water before storage areas are affected**Protective walls around the lower sides of the yard will form a barrier**GRG Group companies operate road tanker barrels which can be deployed to remove excess water in the event of drainage issues caused by flooding* | *Unlikely* | *Flooding of site and surrounding areas, excess water and potential of contamination of said water* | *Not significant due to low likelihood and preventative measures* |
| **A5.3** | *Release of contaminated water through fire, spillage through drains situated at rear of office block* | *Sewage Works* | *Sewer* | *Main yard is separate from hazardous waste storage bays. No hazardous waste is stored on the back yard (WI027). The drain outlet valves remain closed at all times. Approval is required from the general manager to open after assessment of the quality of the surface water. (ROC004 Issue 2, WI039)* | *Unlikely* | *Breakdown of sewage works* | *Not significant* |

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| **Table A6** | **Ground Water risk assessment and management plan** |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
| **A6.1** | *Release of contaminated materials to ground* | *Groundwater* | *Soil and groundwater* | *Waste activities are within bunded area. The surface of the entire site is concrete. There is no risk of groundwater contamination. There are no physical discharges to ground.* | *None* | *N/A* | *None* |
| **Table A7** | **Local Amenities / Business** |  |  |  |  |  |
|  | **Description** |  | **Distance**  | **Comments** |
| **A7.1** | *Various Industrial businesses, motor repair, computer repairs, cafes* | *10m* | There are none of the following within 1km; |
| **A7.2** | *Whitewall Creek estuary (closest point)* | *325m* | Scheduled Monuments, Protected Wreck sites, Nitrate venerable zones, Nature reserves, Biosphere reserves, Ramsar sites, Special Protection areas, Special areas of conservation, SSSI's, Registered common land, Nitrate sensitive areas, AONB's, Environmentally sensitive areas, National parks, Less favoured areas, other than those listed on ROC006 |
| **A7.3** | *Ampersand House Assisted Living Home* | *900m* |
| **A7.4** | *Frindsbury Hall Assisted Living Home* | *910m* |
| **A7.5** | *Railway Line* | *1010m* |
| **A7.6** | *School* | *>1km* |
| **A7.7** | *Mudflats* | *<2km* |
| **A7.8** | *Fish Migratory routes via Medway* | *<2km* |  |
| **A7.9** | *Great Lines Wildlife Site Gillingham* | *2km* |  |
| **A7.10** | *Chattenden Woods* | *5km* |  |
| **A7.11** | *Medway Estuary Zone 1 & 2, and Marshes* | *Within 5km* |  |
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| **Table A9** | **Accidents risk assessment and management plan (Revision of Storage Locations )** |  |  |  |
|  | **What do you do that can harm and what could be harmed** | **Managing The risk** | **Assessing the risk** |
|  | **Hazard** | **Receptor** | **Pathway** | **Risk Management** | **Probability of Exposure** | **Consequence** | **What is the overall risk** |
| **A9.1** | *Fire / Emissions due to reaction of incompatible materials coming into contact through spillage / damage to containers* | *See table A7* | *Air* | *Each bay will be designated for a particular hazard class of material (see site plan SPROC003). Segregation will be in accordance with HSG71 and internal Management Procedures. Each bay is separately bunded from its neighbour. Each bay is fully bunded and there is no means of escape of liquid contents. Any rainwater build up within bays are tested and removed via pump after analysis of the contents (WI039). This is unlikely due to storage bays being under cover.* | *Unlikely* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans* | *Low* |
| **A9.2** | ***Storage of Product Chemicals*** *-Fire / Emissions due to reaction of incompatible materials coming into contact through spillage / damage to containers* | *See table A7* | *Air* | *Each bay will be designated for a particular hazard class of material (see site plan SPROC003). Segregation will be in accordance with HSG71 and internal Management Procedures. Each bay is separately bunded from its neighbour. Each bay is fully bunded and there is no means of escape of liquid contents. Rainwater build is tested and removed via pump after analysis of the contents (WI039). Product Chemicals will be stored in bunded areas and in accordance with HSG 71* | *Unlikely* | *Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans* | *Low* |

*Review/Amendment History*

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| *14/01/2025* | *Created as First Edition* |
| *08/05/2025* | *Flood Risk incorporated* |
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