Appendix E

ENVIRONMENTAL RISK ASSESSMENT

Bespoke Environmental Risk Assessment for Dartford WEEE Treatment Facility

Operator: Enva E-Waste England Limited

Site Location: Former Dartford International Ferry Terminal, Clipper Boulevard, Dartford, Kent, DA2 6QB

Date: September 2025

This environmental risk assessment has been produced as part of an environmental permit application for Enva E-Waste England Ltd in relation to a new Waste Electrical & Electronic Equipment (WEEE) facility in Dartford, Kent. This facility will focus on two recycling streams: one for the recycling of Waste Temperature Exchange Equipment (WTEE), consisting of fridges and freezers, and one for the recycling of small mixed WEEE (SMW). Recycling activities will produce residual fractions that will be stored on site, pending dispatch to alternative waste treatment facilities, as appropriate.

Further details on the above development and activities, including a full breakdown of recycling processes proposed at the WEEE recycling facility, is provided in the main environmental permit application supporting report.

This environmental risk assessment has been undertaken in accordance with the methodology set out in Environment Agency guidance 'Risk assessments for your environmental permit' in the GOV.UK website (https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit).

The Dartford facility will be operated in accordance with an Environmental Management System (EMS) which is to be certified to ISO 14001. This will be implemented at the site, reviewed and updated as necessary throughout future developments.

Reference	Risk Type	Issue / Hazard	Scenario	Type	Details of Environmental Aspect			Responsible Equipment / System / Element	Receptor		Risk Management	Risk Matrix			Actions	
	Discharge to surface water or sewer, Accidents, Odour, Noise and Vibration, Fugitive Emissions, Release of Bioaerosols		*Normal Unplanned*	*Continuous Intermittent*	*Source / Cause*	*Pathway*	*Impact / Harm*		*Air Land Water Communities Workforce Fauna / Flora Local species*	*Further details*		*Probability of Exposure*	*Consequence*	*Overall Risk Rating*	*Description*	*Responsible*
1	**Discharge to Surface Water or Sewer**	Unauthorised discharges	Unplanned	Intermittent	Elevated emissions present in discharges to surface water or sewer	Site drains	Potential pollution of receiving watercourse or overloading / damage to receiving sewer network and wastewater treatment plant	Potentially polluting liquids stored, used or generated on site, including process water and contaminated surface water drainage	Surface water Sewer network / downstream sewage treatment works	River Thames	<u>Site Design:</u> There will be no emissions to surface water other than clean uncontaminated water from surface water run-off collected in the holding tank. There will be no emissions to sewer other than domestic foul effluent. No process effluent will be discharged to surface water or sewer. The surface water drainage system incorporates an oil interceptor and holding tank. Penstock valves will be present on the attenuation tank to prevent emissions to surface water and sewer in the event of an accident/incident. <u>Procedural Control:</u> All recycling operations (treatment) will take place inside a building. Some storage will take place outside (unprocessed WEEE and recycled materials) on impermeable surfacing with a sealed drainage system. All site infrastructure including drainage systems will be included in the maintenance system. There is a low volume of liquid chemicals and minimal liquid waste. No process effluent will be generated by the onsite activities. Absorbent materials will be available to treat any spillage. Measures will be taken immediately to stop any leakage and prevent it form reaching any surface water drainage system. In the event of any spillage the site's spill response plan will be followed and any incidents recorded. Ultra Low Sulphur Gasoil (ULSG) fuel storage will be within a tank that is integrally bunded with a bund capacity of 110% of the main container. All other liquids used on site will be in smaller volumes and will be stored on a pallet with suitable bunding, on impermeable surfaces. <u>Supervisory Control:</u> Storage facilities and drainage infrastructure are routinely inspected as part of weekly housekeeping checks. <u>Corrective Control:</u> Any spills or other incidents that have potential to breach permit emission limits and/or impact the surrounding environment (water) will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any spills / leaks will be recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for improvement.	Low	Medium	Low		
2		Leaks and Spillages	Unplanned	Intermittent	Spillages from stored liquids with a potential to leach into unmade ground and / or surface water drainage systems	Land Site drains Surface water	Potential pollution of land, groundwater and / or surface water	Leaks and spillages of liquids (waste and non-waste), leachate from waste, contaminated rainwater run-off from waste E.g. stored drained compressor oil, degassing machinery and equipment, which extracts oil	Land Groundwater Surface water Flora / fauna in surface water	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	<u>Procedural Control:</u> There is a low volume of liquid chemicals and minimal liquid waste. All operational areas of the site (including for liquid storage) will be located on impermeable surfacing with a sealed drainage system. All potentially polluting liquids to be provided with appropriate secondary containment (110%), including compressor oil to be stored in a bunded tank and degassing machinery and equipment contained within built-up floor enclosure pens. Spill kits / absorbent materials will be available to treat any spillage. Measures will be taken immediately to stop any leakage and prevent it form reaching any surface water drainage system. In the event of any spillage the site's spill response plan will be followed and any incidents recorded. <u>Supervisory Control:</u> Storage facilities are routinely inspected as part of weekly housekeeping checks. <u>Corrective Control:</u> Any spills or other incidents that have potential to breach permit emission limits and/or impact the surrounding environment (land or water) will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any spills / leaks are recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for improvement.	Low	Medium	Low		
3		Spillage of Oil	Unplanned	Intermittent	Incorrect storage / transfer of oils during delivery and/or from storage location to point of use. Defective containers, bunding and / or pipework. Defective plant and equipment.	Land Site drains Surface water	Potential pollution of land, groundwater and / or surface water	Oil storage, transfer and use in plant and equipment.	Land Groundwater Surface water Flora / fauna in surface water	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	<u>Procedural Control:</u> Oils will be stored in accordance with current legislation and best practice (provided with appropriate secondary containment - 110%). Oil spill response equipment will be provided containing: spill dry granules, spill control absorbent socks and drain covers. Staff are trained in use and transfer of oil operations, as well as spill response and containment failures. <u>Supervisory Control:</u> Oil storage infrastructure will be routinely inspected as part of the weekly housekeeping checks. Any member of staff who observes a spillage is obliged to ensure that it is cleared up to avoid pollution incidents and a hazard report will also be completed. <u>Corrective Control:</u> Any spills or other incidents that have potential to breach permit emission limits and/or impact the surrounding environment (land or water) will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any spills / leaks are recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for improvement.	Low	Medium	Low		
4		Spillage of Diesel	Unplanned	Intermittent	Incorrect storage / transfer of diesel during delivery and/or from storage location to point of use. Spillage during refuelling process. Failure of bulk storage tank, bunding and/or pipework. Defective plant and equipment.	Land Site drains Surface water	Potential pollution of land, groundwater and / or surface water	Diesel storage, transfer and use in plant and equipment.	Land Groundwater Surface water Flora / fauna in surface water	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	<u>Procedural Control:</u> ULSG will be stored in accordance with current legislation and best practice (provided with appropriate secondary containment - 110%) in an integrally bunded container. Diesel spill response equipment will be provided containing: spill dry granules, spill control absorbent socks and drain covers. Staff are trained in use and transfer of diesel operations, as well as spill response and containment failures. <u>Supervisory Control:</u> Diesel storage infrastructure will be routinely inspected as part of the weekly housekeeping checks. Any member of staff who observes a spillage is obliged to ensure that it is cleared up to avoid pollution incidents and a hazard report will also be completed. <u>Corrective Control:</u> Any spills or other incidents that have potential to breach permit emission limits and/or impact the surrounding environment (land or water) will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any spills / leaks are recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for improvement.	Low	Medium	Low		

5	Accidents	Fire	Unplanned	Intermittent	Arson/vandalism or accidental fire causing the release of polluting materials to air (smoke or fumes), water or land.	Air transport of smoke / fumes Spillages and contaminated firewater by direct run-off from site, land, site drains, surface water	Respiratory irritation, illness and nuisance to local population Injury to staff or firefighters Potential pollution of land, groundwater and / or surface water	Storage of combustible waste and other materials	Air Local human population Site staff Firefighters Land Groundwater Surface water Flora / fauna	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	The site will be managed and operated in accordance with a management system that will include site security measures to prevent unauthorised access and procedures for the management of fires and spillages. The site will implement a Fire Prevention Plan (FPP) approved by the Environment Agency - for further details regarding how the likelihood of fires will be minimised, all fires will be extinguished within 4 hours, and minimising the spread of fires within the site and to neighbouring sites, refer to the FPP. Staff are trained in implementation of the management system, including management of fires and spillages. Supervisory Control: Site security infrastructure will be routinely inspected as part of the weekly housekeeping checks. The site will have CCTV installed that is monitored 24/7 by a third party company. The site will benefit from IR3 detection monitoring, thermal imaging cameras and video smoke detection to provide constant monitoring of materials and efficient identification of any heating that may occur. Corrective Control: Detection systems will be linked to the on-site water cannon system that can be deployed to the site of an incident for localised fire suppression. Within recycling equipment, there will be built-in fire suppression systems that will douse any items on conveyor belts, where necessary. Any fires will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any fires will be recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for	Low	Medium	Low		
6		Fire or explosion from damaged batteries	Unplanned	Intermittent	Thermal runaway in damaged batteries can result in fire or explosion. Batteries, including Li-ion batteries, damaged prior to acceptance on-site or during processes undertaken on-site	Air	Smoke and particulates dispersed in the air can cause respiratory irritation, illness and nuisance to local population Injury to staff or firefighters	Damaged batteries in WEEE	Air Local human population Site staff Firefighters Land Groundwater Surface water Flora / fauna	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	Procedural Control: Any damaged batteries identified will be stored in vermiculite in secure containers. Manual dismantling of WEEE prior to treatment to avoid mechanical treatment of batteries, which would likely cause damage and subsequent issues. The site will implement a Fire Prevention Plan (FPP) approved by the Environment Agency - for further details regarding how the likelihood of fires will be minimised, all fires will be extinguished within 4 hours, and minimising the spread of fires within the site and to neighbouring sites, refer to the FPP. Staff are trained in implementation of the management system, including management of fires and spillages. Battery storage is within small plastic containers, containing vermiculite, within a larger designated shipping container. The designated battery container will be fitted with its own internal heat detection system, linked to an internal suppression system, which will be triggered in the event of a fire. Supervisory Control: Visual checks will be undertaken at the picking point to capture and prevent lithium-ion batteries from entering into the WEEE process line. There will be artificial intelligence-controlled cameras positioned within the recycling equipment, directed at conveyors, to monitor for any components that have not been manually identified and removed from the stream entering the shredding stages. Corrective Control: The procedure for dealing with a fire will be commenced in the event of thermal runaway within a battery, as outlined in the FPP. Any fires will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any fires will be recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for improvement.	Low	High	Medium		
7		Toxic gas emissions or chemical leakage from damaged batteries	Unplanned	Intermittent	Batteries, including Li-ion batteries, damaged prior to acceptance on-site or during processes undertaken on-site	Air transport of toxic gasses Land Site drains Surface water	Electrolyte breakdown or combustion of battery materials can cause release of gases, including hydrogen fluoride (HF), carbon monoxide (CO), and volatile organic compounds (VOCs) into the air. Ruptured battery basing can lead to leaking electrolyte, involving the spreading of the liquid.	Damaged batteries in WEEE	Air Local human population Site staff Land Groundwater Surface water Flora / fauna	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	Procedural Control: Any damaged batteries identified will be stored in vermiculite in secure containers. Manual dismantling of WEEE prior to treatment to avoid mechanical treatment of batteries, which would likely cause damage and subsequent issues. The site will implement an Accident Management Plan, Spill Response Plan and Emergency Response Plan as part of site management system. Staff are trained in implementation of the management system, including management of accidents, incidents and spillages. As a precautionary measure, all batteries will be stored in small plastic containers containing vermiculite, which will be stored in a larger designated shipping container. The designated battery container will be fitted with its own internal heat detection system, linked to an internal suppression system, which will be triggered in the event of a fire. Supervisory Control: Visual checks will be undertaken at the picking point to capture and prevent lithium-ion batteries from entering into the WEEE process line. Corrective Control: Any accidents or incidents will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any accidents or incidents will be recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for improvement.	Low	Medium	Low		
8		Generation and run-off of fire water	Unplanned	Intermittent	Fire causing the generation and release of fire water	Land Site drains Surface water	Contaminated fire water that is not contained can cause pollution of land, groundwater and / or surface water	Storage of combustible waste and other materials	Land Groundwater Surface water Flora / fauna in surface water	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	All operational areas of the site will be located on impermeable surfacing with a sealed drainage system. The site will implement a Fire Prevention Plan (FPP) approved by the Environment Agency - for further details regarding how the likelihood of fires will be minimised, all fires will be extinguished within 4 hours, and minimising the spread of fires within the site and to neighbouring sites, refer to the FPP. The FPP also details how fire water will be managed. Staff are trained in implementation of the management system, including management of fires and spillages. The penstock valve system that will be installed on the site's attenuation tank (into which all surface water run-off will be diverted) will be connected to fire alarms, which will ensure the valve is closed in the event of a fire and prevent fire water contaminating the nearby environment and / or sewer network. Closure of the valve will enable testing of the water contained within the attenuation tank, prior to release. Supervisory Control: All site infrastructure including impermeable surfacing and sealed drainage systems will be included in the maintenance system and routinely inspected as part of the weekly housekeeping checks. The penstock valve system will be regularly inspected and maintained. Corrective Control: Any fires will be reported to the Environment Agency in accordance with the requirements of the environmental permit. Any fires will be recorded in accordance with the EMS and will be reviewed in an annual management review, assessing for opportunities for	Low	High	Medium		
		Flooding	Unplanned	Intermittent	Flooding from surface waters, river or sea, or extreme rainfall events.	Flood waters	If waste is washed off site it may contaminate buildings / gardens / natural habitats downstream. There may also be damage to the site infrastructure.	Stored waste could be source of contamination	Land Water Local Species Fauna / Flora	Land and groundwater beneath the site River Thames Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	Site Location: The risk of surface water flooding at the site (assessed by the EA) is classed as very low as the site is in a Zone 2 floodplain of the River Thames. The site also benefits from flood defences that are in place. Procedural Control: Staff are to be trained in implementation of the management system, which will include flood risk management. All liquids on site will be stored in suitable containers and will be stored on bunds, to prevent leaks or spills contaminating flood water in the event of a flood. Fuel will be stored in a designated tank that is integrally bunded. A maximum amount of waste and raw materials will be accepted and stored at the facility, restricting risk of contamination. Supervisory Control: All site infrastructure including impermeable surfacing and sealed drainage systems will be included in the maintenance system and routinely inspected as part of the weekly housekeeping checks, to help ensure integrity during such weather events. Corrective Control: Restorative works will be undertaken following a flooding event to ensure structural integrity is maintained across the site. An Incident Response Plan will be followed in the event of such incident. Relevant authorities will be informed.	Low	Medium	Low		

9	Odour	Release of odour from the facility during storage of waste, dismantling and treatment of WEEE	Normal	Continuous	General waste operations on site involving storage and treatment of WEEE (in particular, any potentially odorous wastes)	Air	Odour nuisance and loss of amenity	Storage and processing of WEEE	Air Local human population Site staff	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> Proposed waste types have a low odour potential. Waste pre-acceptance and acceptance procedures will be implemented so only permitted waste types accepted on site. Incoming waste will arrive in enclosed lorries and any doors on products(e.g. fridges) to remain closed. Appliances that require it will be cleaned to reduce odour nuisance and any food / odorous wastes removed and placed in sealed plastic bags. All recycling and treatment will be undertaken within an enclosed building. Regular cleaning of waste storage areas, treatment areas, equipment and waste containers. <u>Supervisory Control:</u> Manual inspections of waste arriving on site to ensure that permit conditions are adhered to. Good housekeeping practices incorporated into the management system to ensure an appropriate standard of cleanliness and tidiness. Routine site inspections are included in the good housekeeping protocols, undertaken daily and recorded. Records are kept of any odorous incidents and ay spillages that may arise. Odour monitoring and complaint records will be evaluated as part of annual management review, assessing for opportunities for improvement. <u>Corrective Control:</u> Any odour complaints received will be logged, responded to and investigated in line with the complaints procedure, reporting to the Environment Agency and/or complainant as appropriate.	Low	Low	Low		
10	Noise and Vibration	Transportation of waste / products on and off site by road, including the loading and unloading of containers and external sub-contractor vehicles	Normal	Intermittent	Transportation of waste and products as part of general operations on site	Sound propagation through air	Noise nuisance and loss of amenity	Vehicles arriving at and departing from site, including loading and unloading procedures	Local human population Site staff	The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> There will be a 4 m high acoustic fence surrounding the south to south-east boundary of the site, reducing noise levels from across the site. Acoustic cladding of buildings will be implemented to prevent migration of noise beyond the site boundary. Staff will be instructed to avoid unnecessary revving of vehicles and equipment. Scraping of bucket on ground avoided in early morning and early evening during loading and unloading. Staff and contractors instructed to avoid use of horns and unnecessary revving of vehicles. All HGVs waiting for entry to stores are required to switch off the vehicle engine until they are ready to be loaded / unloaded. <u>Supervisory Control</u> Noise monitoring to be carried out bi-monthly at fixed locations inside and outside the plant and on boundaries, with results logged and records kept. An external noise survey is planned to be carried out annually to ensure suitable and sufficient measures of control. <u>Corrective Control:</u> Appropriate investigation and remedial action will be taken if elevated noise levels are identified.	Low	Low	Low		
11		Mechanical and manual handling and separation, deconstruction of CRT televisions. Refinement and harvesting of parts and also external out loading of component parts	Normal	Continuous	General operations on site.	Sound propagation through air	Noise pollution on site and at receptors	Plant and equipment used on site, particularly the hammer-mill and shredding machine (QZ)	Local human population Site staff	The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> There will be a 4 m high acoustic fence surrounding the south to south-east boundary of the site, reducing noise levels from across the site. Acoustic cladding of buildings will be implemented to prevent migration of noise beyond the site boundary. Daytime operation will be in place where possible, to reduce unnecessary disturbance. Equipment will be insulated as appropriate to reduce noise and vibration emissions and disrupt sound waves. Factory doors will be kept closed as much as possible. Restriction on plant movements during night-time hours. Preventative maintenance program will be implemented for machinery to prevent unnecessary noise emissions. <u>Supervisory Control:</u> Noise monitoring to be carried out bi-monthly at fixed locations inside and outside the plant and on boundaries, with results logged and records kept. An external noise survey is planned to be carried out annually to ensure suitable and sufficient measures of control. <u>Corrective Control:</u> Appropriate investigation and remedial action will be taken if elevated levels are identified.	Low	Low	Low		
12		On-site vehicle movements (mobile plant and waste transportation vehicles)	Normal	Continuous	General operations on site.	Sound propagation through air	Noise pollution on site and at receptors	On-site plant and vehicles, including forklift trucks	Local human population Site staff	The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> There will be a 4 m high acoustic fence surrounding the south to south-east boundary of the site, reducing noise levels from across the site. Acoustic cladding of buildings will be implemented to prevent migration of noise beyond the site boundary. All external doors closed at night to reduce noise and vibration emissions. Restricted working time - no plant to operate externally between 23:00 - 07:00. White noise reversing alarms will be used on mobile plant. <u>Supervisory Control:</u> Noise monitoring to be carried out bi-monthly at fixed locations inside and outer the plant and on boundaries, with results logged and records kept. An external noise survey is planned to be carried out annually to ensure suitable and sufficient measures of control. <u>Corrective Control:</u> Appropriate investigation and remedial action will be taken if elevated levels are identified.	Low	Low	Low		
13		Stockpile fugitive particulate release	Normal	Continuous	Combination of weather conditions and stockpiles of materials that could potentially release particulate matter.	Air	Dust nuisance and loss of amenity	Stockpiles of material with the potential to generate dust.	Air Local human population	The nearest human receptors located SE and NW of the site are immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> Limited materials will be stored outside. This will include the fractions produced from SMW recycling. Fractions produced will be of a size that does not produce fugitive dust emissions as they will comprise chunks of material. Weatherproof covering will be implemented in storage areas, with a design consideration for wind direction at the site. The site will benefit from a Dust and Emissions Management Plan (DEMP) which will be implemented as part of the management system. <u>Supervisory Control:</u> Both weather conditions and visible dust release are to be monitored and documented twice per day. A complaints procedure will be in place. Site management to ensure all key staff are aware of responsibilities and training is regularly refreshed. <u>Corrective Control:</u> Any dust complaints will be investigated in accordance with procedures in the management system. Any corrective actions will be implemented accordingly, such as roadways and temporary stockpiles to be dampened with water to reduce dust emissions risk or closing of doors to prevent escape of dust during high winds.	Low	Low	Low		
14		Moving vehicles on site and processing plant and equipment releasing dust emissions	Normal	Continuous	SMW recycling processes, in particular shredding and separation of WEEE	Air	Dust nuisance and loss of amenity	Processing plant and equipment	Air Local human population	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> 5 mph speed limit enforced. Housekeeping and dust removal to be undertaken on a daily basis, with records maintained. Permitted waste types do not include dusts, fibres or loose powders. The site will benefit from a Dust and Emissions Management Plan (DEMP) which will be implemented as part of the management system. <u>Supervisory Control:</u> Both weather conditions and visible dust release are to be monitored and documented twice per day. Complaints procedure will be in place. Site management to ensure all key staff are aware of responsibilities and training is regularly refreshed. <u>Corrective Control:</u> Any dust complaints will be investigated in accordance with procedures in the management system. Any corrective actions will be implemented accordingly, such as roadways and temporary stockpiles to be dampened with water to reduce dust emissions risk or closing of doors to prevent escape of dust during high winds.	Medium	Low	Low		

15	Fugitive Emissions	Particulate release during trailer unloading	Normal	Intermittent	Inbound and/or outbound bulk material could give risk to particulate dust during movement.	Air	Dust nuisance and loss of amenity	Trailer loading and unloading	Air Local human population	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> Bulk materials entering or leaving site by lorry shall be sheeted to avoid dust release. Bulk unloading to take place inside reception building for tipping vehicles. <u>Supervisory Control:</u> Complaints procedures in place. Site management to ensure all key staff are aware of responsibilities and training is regularly refreshed. <u>Corrective Control:</u> Any dust complaints will be investigated in accordance with procedures in the management system. Any corrective actions will be implemented accordingly, such as closing of doors during high winds to prevent escape of dust.	Low	Low	Low		
16		Airbourne polyurethane (PUR) Dust from Recycling process	Normal	Continuous	PUR/PUR Dust from recycling process from warehouses. Windy conditions from the direction of the warehouse doors. If there is a failure of the LEV system, with windy conditions.	Air	Dust nuisance and loss of amenity, human health impact	Recycling processes	Air Local human population	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	The storage and movement of PUR is a requirement to control the release of dust within required parameters. <u>Procedural Control:</u> All operations occur within the warehouses. Emission points fitted with suitable abatement systems to prevent dust emissions. Warehouses fitted with LEV, to collect and control airborne emissions when required. Feed system is directed to below bottom sheet, to help ensure dust emissions kept to a minimum. Housekeeping maintained at all times. Employees and contractors to receive training in relation to the control of particulate emissions. <u>Supervisory Control:</u> Air emissions monitored by a third-party organisation. Wind monitors used. Inspections and maintenance of abatement systems in place. Shift leader for HSE to perform area checks each shift. Daily operational and weather monitoring noted as part of daily site walkover / housekeeping. Training record to be kept in relation to particulate emissions training. <u>Corrective Control:</u> Where any visible emissions of PUR particulate matter are observed, rectifying actions will be carried out, including sweeping and clearing of the area. External spillage of PUR to be cleared immediately by hand shovelling or by an externally hired road sweeper. Processes shall be halted if airborne particulate emissions are observed, whilst cause is established.	Medium	Low	Low		
		Litter	Unplanned	Intermittent	Waste loads accepted on site may arrive with associated packaging.	Inbound / outbound loads	Nuisance, loss of amenity, road traffic accidents	Packaging associated with inbound or outbound loads	Communities Land Fauna / Flora	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west. Flora / fauna receptors can be found 30 m south of the site, at Abel Fishing Reserve and Park	<u>Procedural Control:</u> Upon receiving incoming WEEE for recycling, pre-treatment procedures will be carried out to remove any items and prevent them from entering further deconstruction stages of the process. This will include the removal of any associated packaging and appropriate disposal methods for such packaging will be in place: packaging will be stored in a designated skip, pending dispatch to a relevant waste treatment facility. <u>Supervisory Control:</u> Regular housekeeping regimes that will be implemented on site will allow for identification of litter or loss of amenity in all areas of the site. <u>Corrective Control:</u> Any litter identified on site or in the local vicinity will be cleared by Enva.	Medium	Low	Low		
		Pests (e.g. flies)	Unplanned	Intermittent	Any food and drink items removed from inbound WEEE loads may attract pests.	Air and over land	Nuisance and potential harm to human health	Waste found within WEEE to be recycled	Workforce Communities	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Controls:</u> WEEE being handled on site is not inherently expected to attract pests and therefore not anticipated to create such nuisance. Food and drink waste being removed from inbound WEEE items is not expected to be in great quantities that will attract pests to cause a nuisance. Food and drink items removed from WEEE will be placed in a bin with a lid and stored in a suitable area until dispatch to an suitable waste treatment facility. Volumes of such waste are expected to be of very small quantities. <u>Supervisory Controls:</u> Regular housekeeping regimes will be implemented on site to ensure that any waste attracting pests is identified and removed as early as possible to prevent nuisance-related impacts. Site managers will also be responsible for ensuring correct storage arrangements are enforced. A third-party pest-control organisation contact will be established so as to ensure that a quick response is available when required. <u>Corrective Controls:</u> Any food and drink or other items identified to be attracting pests will be cleared. Particularly in relation to vermin on site, a third party pest-control organisation will be contacted to remove any pests identified.	Low	Low	Low		
		Scavenging Animals and Birds	Unplanned	Intermittent	Any food and drink items removed from inbound WEEE loads may attract scavenging animals and birds.	Air and over land	Nuisance and potential harm to human health	Waste found within WEEE to be recycled	Workforce Communities	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural Control:</u> WEEE being handled on site is not inherently expected to attract birds and animals and therefore not anticipated to create such nuisance. Food and drink waste being removed from inbound WEEE items is not expected to be in great quantities that will attract birds and animals to cause a nuisance. Food and drink items removed from WEEE will be placed in a bin with a lid and stored in a suitable area until dispatch to an suitable waste treatment facility. Storage areas will feature appropriate weather covering, which will deter any scavenging birds. <u>Supervisory Control:</u> Regular housekeeping regimes will be implemented on site to ensure that any waste attracting birds and animals is identified and removed as early as possible to prevent nuisance-related impacts. Site managers will also be responsible for ensuring correct storage arrangements are enforced. A third-party pest-control organisation contact will be established so as to ensure that a quick response is available when required. <u>Corrective Control:</u> Any food and drink or other items identified to be attracting pests will be cleared. Particularly in relation to vermin on site, a third party pest-control organisation will be contacted to remove any pests identified.	Low	Low	Low		

17	**Visible Emissions**	Diesel Emissions (HGVs and Fork-lifts)	Normal	Continuous	HGVs and FLTs - white smoke may be produced when vehicles are started from cold. Increased smoke may be produced if the vehicle has developed a defect.	Air	Dust nuisance and loss of amenity, human health impact	Diesel powered vehicles	Air Local human population	The nearest human receptors located SE and NW of the site at immediately adjacent industrial facilities Mission Produce UK and ASDA Distribution Centre The nearest residential area is located 220 m south on St Mary's Road. Other local residential receptors include a hotel 150 m west.	<u>Procedural control:</u> Minimum idling of vehicles. Faulty equipment will be taken out of service and defected until repaired. Vehicles used on site will be leased and will be new vehicles, which will ensure efficient running and prevent unwanted emissions. <u>Supervisory control:</u> Routine maintenance of vehicles carried out as part of agreement with lease-company and in line with manufacturer recommendations. Abnormal levels of emissions will be picked up and recorded on Vehicle Pre-use check sheet. <u>Corrective control:</u> Staff will have awareness of the impact of emissions.	Low	Low	Low		

Title	Likelihood	Impact	Risk
Low	Probability of an event occurring is low or the event duration is short term	Low financial costs (£1,000s) Short time nuisance of duration impact (hours)	Risk may not be noticeable or is reduced by using low amounts of financial or time resources
Medium	Probability of an event is likely to happen in a single year or the event duration may last many months or a few years	Medium financial costs (£10,000s) Mid-time nuisance of duration impact over a whole day or days	Risk may be noticeable and financial or time resources needed might be disruptive to normal operations
High	An event is very likely to happen at a regular interval or the event duration may last for 3 years or greater	High financial costs (£100,000s) Long term impact of the nuisance or event lasting for whole weeks at a time	A risk is present that necessitates significant company financial or time resources to manage.

	Likelihood		
Impact	Low	Medium	High
Low	Low	Low	Medium
Medium	Low	Medium	High
High	Medium	High	High