	ASSESSMENT: Envir			heste	r. Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Release of Dust.	Harm to human health respiratory irritation and illness to nearby receptors.	Air transported and inhalation.	Environment, Local population, onsite staff, Neighboring businesses, personnel, marine conservation zones and Tower Hill to Cockham Wood Site of Special Scientific Interest.	2	1	2	The site is located within an industrial estate. The site is surrounded by Shipping containers on two sides and tall industrial buildings on the two sides. Several mitigation measures are used to reduce the risk of dust emissions. Strick waste acceptance procedures are in place to ensure excessively dusty loads are not accepted on site. Waste operations which have the highest potential of causing dust are carried out inside the buildings. Dust suppression will be used if dust is evident by the damping of product before processing to reduce/eliminate dust emissions. Dusty waste from the process is stored in bulk bags sealed and covered with shrouds to minimize the risk of dust emissions. In the event of a spillage occurring the leakage is quickly rectified and any spillage is cleaned up straight away. Building will be completely closed out of operating hours removing the risk of dust escaping from the buildings after operational hours. A dust management plan is in place to control the risk of dust emissions. Tower Hill to Cockham Wood Site of Special Interest is approximately 2000 meters away from the waste operations site, it is unlikely that any release of dust will affect this area. Priority habitat mudflats, salt marshes and low land meadows are 380, 460 and 480 meters away considering the site drainage is only to foul sewer it is considered that these areas will not be affected from any release of dust. Protected species associated with this area are the Lapwing and the Redshank both are birds are not affected by the nature of the waste operations carried out on site.	2	1	3	A

Severity	/	Example	Likelihood			Risk Rate	Key to Results		
0.1	Very Low Risk	Little or no risk	0.1	Very Low	Extremely unlikely to occur	1	T - Trivial Risk		
1	Low Risk	Low risk aware but no nuisance	1	Low	Unlikely or slight chance of occurring	2 3 4	A - Adequately Controlled		
2	Medium Risk	Slight inconvenience / Slight nuisance	2	Medium	Likely frequently /often to occur	689	N – Not Adequately Controlled –		
3	High Risk Nuisance may cause potential complaints		3	High	Extremely likely to occur		further immediate action is		
							required		

	C ASSESSMENT: Envi A Plastics LTD, Comn				r, Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Release of dust to surface water.	Harm to surface water features nearby ponds and the nearby river Medway.	Air transported then deposited.	Environment, Local population, onsite staff, Neighboring businesses, personnel, marine conservation zones and Tower Hill to Cockham Wood Site of Special Scientific Interest.	1	3	4	Waste types accepted on site are non-hazardous and not inherently dusty. The granulation and pulverization of waste that has the potential to be dusty operations are carried out inside the buildings. Dusty waste for disposal is contained in bags before disposal into the waste skips. Granulated and Pulverized waste is stored in bulk bags the bags are sealed and covered with plastic shrouds to contain the material. In the event of a spillage occurring the leakage is quickly rectified and any spillage is cleaned up straight away. All site drainage is deposited to foul sewer. Filters are in place in the site drainage to reduce the risk of plastic dust entering the sewerage system. A dust management plan is in place to control the risk of dust emissions. Tower Hill to Cockham Wood Site of Special Interest is approximately 2000 meters away from the waste operations site, it is unlikely that any release of dust to surface water will affect this area. Priority habitat mudflats salt marshes and low land meadows are 380, 460 and 480 meters away considering the site drainage is only to foul sewer it is considered that these areas will not be affected from release of dust to surface water. Protected species associated with this area are the Lapwing and the Redshank both are birds are not affected by the nature of the waste operations carried out on site.	1	1	3	A

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	RISK ASSESSMENT: Envir PDA Plastics LTD, Comm				r, Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Noise.	Noise nuisance and the Release of excessive noise to nearby receptors.	Operations carried out on site.	Environment, local population, Neighboring businesses and personnel.	1	2	3	PDA Plastics LTD site is on a dedicated industrial site. The site has shipping containers stacked on two sides and tall industrial buildings on the other two sides. Beyond the site boundary to the west is a chalk cliff face which acts as a natural sound barrier and screen nearby receptors. There are no residential dwellings near to the site. The site operational hours are between 0400hrs and 1600hrs. The equipment with the biggest potential to cause noise nuisance (The Shredder) which is only operated between the hours of 0800hrs to 1600hrs Monday to Friday on a minimal run time as and when required. It is considered that no noise nuisance operations are carried out at sensitive times.	1	1	3	А
Vibration.	Ground vibrations to receptors.	Operations carried out on site.	Environment, local population, I Neighboring businesses and personnel.	1	1	2	PDA Plastics site is located on an industrial estate. The site boundary has shipping containers stacked two or three high on two sides and high industrial buildings on the other two sides. The majority of waste operations are carried out inside the buildings. Shredding only takes place between the hours of 0800hrs and 1600hrs Monday to Friday on a minimal run time as and when required. It is considered that no ground vibration activities are carried out at sensitive times.	1	1	1	A
Litter.	Nuisance to local property and local businesses.	Air transport and deposit.	Environment, Local population, Neighboring businesses and personnel.	1	1	2	The waste accepted on site is PVC window frames and offcuts which typically contains low amounts of litter. There is a very low chance that litter is generated by the acceptance of these wastes. PDA Plastics operates with a strict continues housekeeping regime where all staff are engaged and aware of the requirement to keep the site organized clean and tidy.	1	1	1	Т

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	ASSESSMENT: Envi Plastics LTD, Comm			heste	r, Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Waste and Litter on local Roads.			Environment, Local Population	1	1	1	The site boundary has shipping containers stacked two or three high on two sides and high industrial buildings on the other two sides which has a low potential to reach surrounding roads or into neighboring businesses. All light fraction wastes are disposed of in the general waste skip and are in sealed bags to reduce the risk of waste escaping whilst being transported.	1	1	1	Т
Odour.	Nuisance odor's effecting receptors	Local human population, neighboring businesses and residential dwellings.	Environment, local population, Neighboring businesses and personnel.	0.1	0.1	1	No putrescible waste types are accepted on to the Site, as such it is unlikely that odour will be an issue. PVC window frame waste does not emit an odour. The implementation of strict waste acceptance criteria will ensure that no putrescible waste types are accepted onto the site. Good housekeeping methods will be actively maintained to reduce risk of odour from the site.	0.1	0.1	1	Т
Noise.	Nuisance effecting receptors.	Noise through the air.	Environment, Local population, neighbouring businesses, personnel and residential dwellings.	1	1	4	PDA Plastics site is located on an industrial estate. The site boundary has shipping containers stacked two or three high on two sides and high industrial buildings on the other two sides. It is highly unlikely that high volumes of noise travels from the site due to its proximity. The majority of waste operations are carried out inside the buildings which is a sound barrier. Shredding only takes place between the hours of 0800hrs and 1600hrs Monday to Friday on a minimal run time as and when required. It is considered that no ground vibration activities are carried out at sensitive times. PDA Plastics LTD policy is not to leave plant and equipment idling whilst not in use to reduce the amount of noise generated from the process. The noise risk assessment concludes that the noise generated from the plant is acceptable.	1	1	4	A

Severity	у	Example	Likelihood			Risk Rate	Key to Results		
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	ASSESSMENT: Envir Plastics LTD, Comm			heste	r, Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Pests.	Harm to human health - from waste carried off site and faeces. Nuisance to receptors	Air transport and overland	Nearby Local population, neighbouring business personnel and residential dwellings.	0.1	0.1	1	Proposed waste types do not contain putrescible waste and are therefore unlikely to attract pests. The Site is not likely to become breeding / nesting sites for pests. The implementation of strict waste acceptance criteria will ensure that no putrescible materials, that are attractive to pests, will be accepted on to the site. PDA Plastics operates with a strict continues housekeeping regime where all staff are engaged and aware of the requirement to keep the site organized clean and tidy. If an infestation of any type is discovered an appropriate specialist will be called to deal with the issue. A note will be made in the site diary.	0.1	0.1	1	Т
Scavenging animals and birds.	Harm to human health, nuisance to receptors.	Air transport and overland	Nearby Local population, neighbouring businesses, personnel and residential dwellings.	0.1	0.1	1	Proposed waste types do not contain putrescible waste and are therefore unlikely to attract pests, scavenging animals and birds. The Site is not likely to become breeding / nesting sites for pests, scavenging animals and/or birds. The implementation of strict waste acceptance criteria will ensure that no putrescible materials, that are attractive to scavenging species or pests, will be accepted on to the site. PDA Plastics operates with a strict continues housekeeping regime where all staff are engaged and aware of the requirement to keep the site organized clean and tidy. If an infestation of any type is discovered an appropriate specialist will be called to deal with the issue. A note will be made in the site diary.	0.1	0.1	1	Т

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	ASSESSMENT: Envir Plastics LTD, Comm			neste	r, Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Flooding to the Site.	Waste being washed off site.	Flood waters	Environment, Local population, neighbouring businesses, personnel, residential dwellings, marine conservation zones and Tower Hill to Cockham Wood Site of Special Scientific Interest.	1	1	1	It is reported that PDA Plastics LTD site is located in a flood risk area. The site is close to the tidal river Medway. PDA Plastics site is located on an industrial estate. The site boundary has shipping containers stacked two or three high on two sides and high industrial buildings on the other two sides. Waste types accepted on to the site are non-hazardous. Waste is unlikely to leach contaminants into the flood water due to the nature of the waste. The majority of processed wastes are stored inside the buildings in bulk bags which are tied and have plastic shrouds over them. During non-operational hours the building doors are closed which would reduce the risk of waste escaping the building. The wastes stored outside the buildings are stored on impermeable surfaces in designated bays. In the unlikely event of a flood, it is considered that PVC waste will not readily leach significant concentrations of contaminants into the surface water. The site drainage is to foul sewer with collection filters to stop waste washing into the drainage system. The waste is therefore not considered to pose a great risk to groundwater or nearby surface water features. Tower Hill to Cockham Wood Site of Special Interest is approximately 2000 meters away from the waste operations site, it is unlikely that any waste being washed away from the site will affect this area. Priority habitat mudflats, salt marshes and low land meadows are 380, 460 and 480 meters away considering the site drainage is only to foul sewer it is considered that these areas will not be affected from waste being washed away from site. Protected species associated with this area are the Lapwing and the Redshank both are birds are not affected by the nature of the waste operations carried out on site.	1	1	1	A

Severity	y	Example	Likelihood			Risk Rate	Key to Results
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	SK ASSESSMENT: En A Plastics LTD, Com				r, Ker	nt. M	E20 4EB				
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Risk of injury fron sharp objects whe in direct contact with waste.		All on site Hazards machinery and vehicles.	PDA Plastics LTD Personnel and Visitors.	2	2	6	Incoming waste types are made from PVC, which does not pose a significant risk to health in terms of irritation or injury from direct physical contact. There is a chance that proposed incoming waste types could pose a risk if sharp edges are exposed or if contravening wastes are present such as sharp objects. There is a risk that sharp edges of waste or sharp objects e.g. metal could cause bodily harm during the handpicking process. Physical processing equipment on the Site could cause bodily injury if misused or if malfunctioning. Plant and equipment on the Site is regularly checked as part of the Site inspection regime. Any faults identified during these checks will be rectified by the Site Manager. The Operators and Maintenance team regularly inspect Plant / Equipment before the start of each shift and a record is kept on their production sheet. Plant / equipment is serviced and maintained following the manufacturer's requirements. Regularly servicing to plant / equipment will identify and rectify issues before they potentially cause a malfunction. Personnel and Visitors are required to wear the appropriate PPE at all times. Accident and incident procedures can be found in PDA Plastics QMS. All Personnel are trained and issued with the required PPE for there specific jobs. Site visitors are informed of the site PPE requirements before entering site and PDA Plastics LTD operates a zero-tolerance policy with regards to the site rules.	1	1	4	A

Severity		Example	Likelihood			Risk Rate	Key to Results
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	RISK ASSESSMENT: Environmental Risk Assessment PDA Plastics LTD, Commissioners Road, Strood, Rochester, Kent. ME20 4EB													
Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result			
Risk of injury from inhalation of particles.	Respiratory irritation and illness.	Storage of wastes and wastes during treatment.	PDA Plastics LTD Personnel and Visitors	2	2	6	Waste accepted on site is non-hazardous. The waste treatment activities include equipment used to sort and reduce the particle size of waste e.g. granulation, pulverisation, which can generate dust. Dust can be inhaled if a person is in close proximity to the waste treatment activities. Treated waste has small particles, which when unsettled could be inhaled. Most waste treatment activities are carried out within the buildings. The buildings will screen nearby receptors from dust emissions. The fine particle size (and weight) of the waste mean that particles are likely to drop out of the air before they reach receptors. Staff carrying out waste treatment activities within buildings are required to wear PPE i.e. respirators, to prevent the inhalation of dust. Health screening and monitoring is supplied to all staff working on site in line with the Health Surveillance Procedure in the PDA Plastics LTD QMS.	1	1	4	A			

Severity		Example	Likelihood			Risk Rate	Key to Results
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Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Arson and vandals causing the release of polluting materials to air, water and land.	Respiratory irritation, illness and nuisance to local population. Injury to staff, fire fighters or arsonists/vandals. Pollution of water or land.	Air transport of smoke. Spillages and contaminated firewater by direct run-off from the Site.	Environment, Local population, neighbouring businesses, personnel residential dwellings, marine conservation zones and Tower Hill to Cockham Wood Site of Special Scientific Interest.	0.1	1	2	The site is located within an industrial estate, through a lockable gated entrance. Most waste treatment activities and treated waste is stored within a building, which is lockable. The implementation of strict Waste Acceptance Procedure will ensure that no waste types other than waste PVC window frames (non-combustible) are accepted on to the Site. The waste stored outside is incoming PVC window frames, Offcuts and frag steel which is stored in designated bays. All other wastes form the process Aluminium are stored in ro-ro skips, these wastes are not considered to be combustible due to the high flash point required to ignite the waste. Ignition methods used in arson are unlikely to reach and sustain the required temperature to ignite the waste. The fire is unlikely to sustain itself without a significant amount of accelerant. General waste is stored in a separate Ro-Ro skip away from the production buildings. Any incidental combustible waste types within incoming loads will be handpicked from the load and stored in container(s) in the quarantine area. These containers act as a fire break and prevent immediate access which reduces the likelihood of a fire spreading and a fire occurring as a result of arson. All fuels and oils are stored in locked bunded containers away from the production buildings. Tower Hill to Cockham Wood Site of Special Interest is approximately 2000 meters away from the waste operations site, it is unlikely that any Polluting Materials to air will affect this area. Priority habitat mudflats, salt marshes and low land meadows are 380, 460 and 480 meters away considering the site drainage is only to foul sewer it is considered that these areas will not be affected from Polluting materials. Protected species associated with this area are the Lapwing and the Redshank both are birds are not affected by the nature of the waste operations carried out on site.	1	1	2	A

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Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Accident of fire causing the release of polluting materials to air, water or land.	Respiratory irritation, illness and nuisance to local population. Injury to staff, fire fighters or arsonists/vandals. Pollution of water or land.	Air transport of smoke. Spillages and contaminated firewater by direct run-off from the Site.	Environment, Local population, neighbouring businesses, personnel, residential dwellings Marine conservation zones and Tower Hill to Cockham Wood Site of Special Scientific Interest.	0.1	1	2	The implementation of strict Waste Acceptance Procedure will ensure that no combustible waste types are accepted on to the site. Any incidental combustible waste types within incoming loads will be handpicked from the load and stored in container(s) in the quarantine area. These containers act as a fire break against ignition sources and fire spreading, which reduces the likelihood of accidental fires. The waste stored outside is incoming PVC window frames, Offcuts and frag steel which is stored in designated bays. All other wastes form the process Aluminium are stored in ro-ro skips, these wastes are not considered to be non-combustible due to the high flash point required to ignite the waste. General waste is stored in a separate Ro-Ro skip away from the production buildings. The PDA Plastics LTD FPP is in place to reduce the risk of accidental fires. All fuel and oils are contained within bunded containers. Only a small amount of fuel will be stored on site. Tower Hill to Cockham Wood Site of Special Interest is approximately 2000 meters away from the waste operations site, it is unlikely that any Polluting Materials to air will affect this area. Priority habitat mudflats, salt marshes and low land meadows are 380 460 and 480 meters away considering the site drainage is only to foul sewer it is considered that these areas will not be affected from Polluting materials. Protected species associated with this area are the Lapwing and the Redshank both are birds are not affected by the nature of the waste operations carried out on site.	1	1	2	A

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Hazards	Risks	Pathway	Risk to the Environment and People	Severity	Likelihood	Risk Rate	Existing measures to control risk	Severity	Likelihood	Risk Rate	Task Assessment Result
Spillages of liquids, leachate from Waste contaminated rainwater run-off from waste.	Acute effects: oxygen depletion, fish kill and algal blooms.	Direct run-off from site across ground surface, via run-off.	Environment, Local population, neighbouring businesses, personnel, residential dwellings, marine conservation zones and Tower Hill to Cockham Wood Site of Special Scientific Interest.	1	1	3	Proposed waste types are non-hazardous and have very low leaching potential. Proposed waste types are therefore unlikely to cause contamination of surface waters. Fuel will be stored appropriately on the Site. It is considered that there is a negligible potential for contaminated rainwater run-off from waste stored on Site to reach the river Medway due to its distance to site and the fact that site drainage is to foul sewer. Implementation of strict waste acceptance criteria will ensure that only permitted waste types are accepted and stored on the Site, which typically have very low leaching potential. Storage facilities for liquids will be maintained in accordance with the manufacturer's specifications. Liquids Fuels and oils are stored on Site will be stored appropriately, within a double skinned tank. Accidental collisions are therefore unlikely to damage the inner lining of the tank, which could cause loss of containment. The Spillage and Refuelling Procedures within the QMS implement the requirement for spill kits to be in place in the event of a spillage to clean the spill up. Staff will be trained on the Spillage Procedure to ensure they are aware of the use of spill kits and what to do in the event of a spill. Tower Hill to Cockham Wood Site of Special Interest approximately 2000 meters away from the waste operations site it is unlikely that any spillages or Leachate from waste will affect this area. Priority habitat mudflats, salt marshes and low land meadows are 380, 460 and 480 meters away considering the site drainage is only to foul sewer it is considered that these areas will not be affected from Spillages and Leachate. Protected species associated with this area are the Lapwing and the Redshank both are birds are not affected by the nature of the waste operations carried out on site.	1	1	3	A

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