

**ENVIRONMENTAL RISK ASSESSMENT**

Wallace Way Metal Recycling Facility,

Wallace Way,

Hitchin,

Hertfordshire, SG4 0SE

**RECYCLING LIVES LIMITED**

EPR/NP3503BF

## Document History

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## 1. Introduction

This environmental risk assessment (ERA) considers the potential and actual environmental risks associated with the use of the site at Wallace Way, Hitchin, Hertfordshire, SG4 0SE. The site is operated by Recycling Lives in accordance with a full management system including environmental management and a bespoke environmental permit (EP.) The site is operated as a

- Manual vehicle storage, depollution and dismantling (authorised treatment) facility
- WEEE Storage and treatment facility
- Metal recycling facility which includes use of a pre-shredder and fragmentiser to treat metal waste, depolluted ELV and non-hazardous WEEE.

An operational plan of the site is shown in Appendix I of this document.

All environmental risks identified in this document will be acted on by site management to ensure that any risks can be appropriately managed and controlled.

This document has been produced to focus on environmental risk and does not aim to provide detailed Health and Safety risk assessments as they have been produced individually and as required through legislation.

## 2. Site Receptors

A site receptor plan is provided in Appendix I of this document to highlight all key receptors within 1km of the site.

Site receptors

Boundary	Receptor	Approximate distance from site boundary (m)
North	Shatchi Wholesale	Adjacent
North	Travis Perkins	30-50
North West	Cadent Gas	30-50
North West	King Georges Park	930
East	Various industrial uses including puppets by post, Girbau UK, United Welding Supplies, Gardiff EPOS amongst others	30-50
South East	Residential dwellings off Hillfield Avenue and Girdle Road	60-295
South East	Walsworth Common	600
South West	Various industrial uses including Crash care centre, Optime lighting, G&L coating, M&J Engineers amongst others	Adjacent to 200
South West	Toad Hall Nursery	575
South West	Strathmore Infant & Nursery School	810
South West	River Purwell	260
South East	Highover School	930
Various	Various other businesses and residential properties	Within 1000

### **3. Environmental Risk Assessment Method**

Hazard – Something with the ability to cause harm.

Consequences – The harm caused as a result of the hazard which, in this risk assessment case, causes the environment to be impaired.

Risk – The likelihood of occurrence and the extent of the severity of the occurrence.

Pathway – The way in which the risk may affect the identified receptor(s). The following are examples of pathways :-

- Air
- Ground
- Water
- Direct contact or exposure

Risk assessment outcome [combination of probability and consequence.]

Where the risk outcome is high, first level management of the risk is essential, i.e. removal of hazard, implementation of major infrastructure or structural design measures to contain the risk or hazard and company policy changes to incorporate the management of the risk. All risk management measures must be supplemented with detailed induction training, spot training and toolbox talks to ensure all site staff and users are made fully aware of the risk or hazard, or potential consequences and necessary management and contingency procedures.

Where the risk outcome is medium, the management of the risk should be tackled by management or delegates. If removal of the hazard is not possible, management will normally be met through implementing minor structural design measures or by imposing procedures for the prevention of occurrences which will be conveyed to all sites staff through the appropriate training, including any contingency measures all procedures.

Where the risk outcome is low, the management of the risk can be done wholly through appropriate training to site staff including any contingency measures or procedures.

#### **4 Risk assessment table**

The included Hitchin Environmental Risk Assessment is shown below and contains the site-specific risk assessment for the site with appropriate remedial actions, recommendations and comments included for each identified hazard, potential contaminant, or situation. As discussed in section 3.6 above, all situations which identify a risk from low to high should be incorporated into the staff or visitor training schedule, where appropriate and acted on as required.

AREA OF SITE	WORK BEING CARRIED OUT	WHAT IS THE PATHWAY OF HARM	WHAT CAUSES THE HARM	WHAT IS THE HARM	HOW MAY RECEPTORS COME INTO CONTACT	HOW LIKELY IS CONTACT	HOW SEVERE WILL CONSEQUENCES BE	WHAT IS THE MAGNITUDE OF RISK	HOW WAS RISK MAGNITUDE BASED	HOW SITE MANAGES RISK AND REDUCES MAGNITUDE	WHAT IS MAGNITUDE OF RISK AFTER MANAGEMENT
FRAGMENTISER	WASTE BEING LOADED ONTO CONVEYOR	NOISE	DURING LOADING PROCESS	NUISANCE/LOSS OF SLEEP	NOISE THROUGH THE AIR	MEDIUM	LOW	MEDIUM	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	FRAGMENTISER RUNS AS PER SITE OPERATING HOURS. WASTE IS LOADED BY EXPERIENCED CRANE OPERATIVES WHICH REDUCES LIKELIHOOD OF WASTE DROPPING TO THE FLOOR REDUCING NOISE IMPACT	LOW
FRAGMENTISER	WASTE BEING LOADED ONTO CONVEYOR	RELEASES OF PARTICULATE MATTER (DUSTS)	DUST BEING RELEASED AS STOCK IS ADDED TO CONVEYOR	HARM TO HUMAN HEALTH RESPIRATORY ILLNESS AND IRRITATION	AIR TRANSPORT THEN INHALATION	MEDIUM	MEDIUM	MEDIUM	PERMITTED WASTE TYPES DO NOT INCLUDE DUSTS, POWDERS OR LOOSE FIBRES SO ONLY A MEDIUM MAGNITUDE RISK IS ESTIMATED. THERE IS POTENTIAL FOR EXPOSURE FOR ANYONE LIVING OR WORKING CLOSE TO THE SITE (APART FROM THE OPERATOR AND EMPLOYEES).	WASTE THAT IS TO GO THROUGH THE FRAGMENTISER IS LARGE PIECES OF METAL, CRUSHED ELV AND WEEE AND DOES NOT CONTAIN DUSTS, POWDERS OR LOOSE FIBRES. WASTE IS VISUALLY CHECKED BY EXPERIENCED STAFF BEFORE IT GETS TO FRAG LOADING POINT. IF DUST/POWDERS OR FIBRES WERE LOCATED WITHIN OR THOUGHT TO BE IN A LOAD IT WOULD BE ISOLATED UNTIL SUCH TIME AS SUSPECT WASTE COULD BE REMOVED FOR DISPOSAL AT A PERMITTED SITE.	LOW
FRAGMENTISER	WASTE BEING STORED IN STOCK PILES PRIOR TO LOADING ONTO CONVEYOR	NOISE	NOISE CREATED AS STOCK PILES INCREASE IN SIZE AND ARE MOVED AROUND TO ACCOMMODATE REQUIREMENTS OF SITE. WARNING SIRENS ON VEHICLES.	NUISANCE/LOSS OF SLEEP	NOISE THROUGH THE AIR	MEDIUM	LOW	MEDIUM	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	THE FRAGMENTISER IS ONLY OPERATED DURING USUAL INDUSTRIAL ESTATE OPERATING HOURS. ALL VEHICLE OPERATORS AT SITE ARE AWARE OF CONSIDERATION OF NEIGHBOURS	LOW



FRAGMENTISER	WASTE BEING STORED IN STOCK PILES PRIOR TO LOADING ONTO CONVEYOR	RELEASES OF PARTICULATE MATTER (DUSTS)	DUST BEING RELEASED AS STOCK IS ADDED OR REMOVED FROM STOCK PILES	HARM TO HUMAN HEALTH- RESPIRATORY ILLNESS AND IRRITATION	AIR TRANSPORT THEN INHALATION	MEDIUM	MEDIUM	MEDIUM	<p>PERMITTED WASTE TYPES DO NOT INCLUDE DUSTS, POWDERS OR LOOSE FIBRES SO ONLY A MEDIUM MAGNITUDE RISK IS ESTIMATED.</p> <p>THERE IS POTENTIAL FOR EXPOSURE FOR ANYONE LIVING OR WORKING CLOSE TO THE SITE (APART FROM THE OPERATOR AND EMPLOYEES).</p>	<p>WASTE TO GO THROUGH FRAGMENTISER IS SHREDDED METAL, ELV OR LARGE DOMESTIC APPLIANCES AND USUALLY DOES NOT CONTAIN DUSTS, POWDERS OR LOOSE FIBRES. WASTE IS VISUALLY CHECKED BY EXPERIENCED STAFF BEFORE IT GETS TO THE FRAG LOADING POINT. IF DUST/POWDERS OR FIBRES WERE THOUGHT TO BE IN A LOAD IT WOULD BE ISOLATED UNTIL SUCH TIME AS SUSPECT WASTE COULD BE REMOVED.</p>	LOW
FRAGMENTISER	WASTE BEING STORED IN STOCK PILES PRIOR TO LOADING ONTO CONVEYOR	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	FOREIGN WASTE WHICH SHOULD NOT ENTER FRAGMENTISER CONTAINED/CONCEALED WITHIN STOCK PILE CAUSING A FIRE	HARM TO HUMAN HEALTH- RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	<p>AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.</p>	<p>WASTE IS VISUALLY INSPECTED AND SHREDDED BEFORE IT GETS TO THE FRAGMENTISER. ALL LOCATED FOREIGN MATERIAL IS REMOVED DURING CHECKING PROCESSES. SUPPLIERS OF WASTE HAVE BEEN SENT LETTERS REMINDING THEM NOT TO INCLUDE GAS OR AEROSOL BOTTLES WITHIN AND SEPARATELY FROM THEIR WASTE. ALL ELV HAVE BATTERIES REMOVED PRIOR TO DEPOLLUTION TO ASSIST IN THE PREVENTION OF SPARKS CAUSED BY ARCING LEADING TO A FIRE.</p>	LOW
FRAGMENTISER	WASTE GOING THROUGH THE FRAGMENTISER	NOISE AND VIBRATION	DURING FRAGMENTISER PROCESS.	NUISANCE- ANNOYANCE AND LOSS OF SLEEP	NOISE THROUGH THE AIR AND VIBRATION THROUGH THE GROUND	MEDIUM	LOW	MEDIUM	<p>LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE AND VIBRATION</p>	<p>FRAGMENTISER RUNS ONLY DURING HOURS IN LINE WITH INDUSTRIAL ESTATE REQUIREMENTS. AREAS OF THE FRAG THAT MAY CONTRIBUTE TO NOISE COVERED TO REDUCE NOISE IMPACT ON SURROUNDING AREA. A PRE-SHREDDER HAS BEEN INSTALLED TO SHRED WASTE (INCLUDING ROGUE ITEMS) PRIOR TO THE FRAGMENTISER. ENSURES ANY GAS OR AEROSOL BOTTLES LEFT IN BALED VEHICLES HAVE BEEN SHREDDED AND ARE NO LONGER PRESSURISED WHEN THEY GET TO THE FRAGMENTISER.</p>	LOW

FRAGMENTISER	WASTE GOING THROUGH THE FRAGMENTISER	RELEASES OF PARTICULATE MATTER (DUSTS)	DUST BEING RELEASED AS WASTE GOES THROUGH FRAGMENTISER	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - DUST ON CLOTHES, CARS ETC	AIR TRANSPORT THEN INHALATION	MEDIUM	MEDIUM	MEDIUM	PERMITTED WASTE TYPES DO NOT INCLUDE DUSTS, POWDERS OR LOOSE FIBRES SO ONLY A MEDIUM MAGNITUDE RISK IS ESTIMATED. THERE IS POTENTIAL FOR EXPOSURE FOR ANYONE LIVING OR WORKING CLOSE TO THE SITE (APART FROM THE OPERATOR AND EMPLOYEES).	WHERE POSSIBLE OPEN AREAS OF FRAGMENTISER PROCESS ARE COVERED TO PROTECT LOCAL AREA FROM DUST. CHECKS ARE CARRIED OUT ON STACK OF FRAGMENTISER TO ENSURE DUST EMISSIONS ARE KEPT BELOW PERMITTED EMISSION LEVELS. DUST MONITORING IS CARRIED OUT AT SITE.	LOW
FRAGMENTISER	WASTE GOING THROUGH THE FRAGMENTISER	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	FOREIGN BODIES WITHIN STOCK PILES THAT HAVE NOT BEEN LOCATED DURING PRE-CHECKS	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN ASH. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES. CONTAMINATED FIREWATER RUN-OFF CAN KILL FISH AND AQUATIC LIFE.	WASTE IS VISUALLY INSPECTED BEFORE IT GETS TO THE FRAGMENTISER AND WHILST IT IS BEING LOADED. ALL LOCATED FOREIGN MATERIAL IS REMOVED DURING CHECKING PROCESSES. SUPPLIERS HAVE BEEN SENT REMINDER LETTERS NOT TO BRING GAS OR AEROSOL BOTTLES TO SITE ENCLOSED WITHIN OR SEPARATELY FROM THEIR WASTE. ALL ELV HAVE BATTERIES REMOVED PRIOR TO DEPOLLUTION. WEEE WASTE IS CHECKED FOR ANY MATERIAL NOT PERMITTED FOR SHRED	MEDIUM
FRAGMENTISER	BLOCKAGES WITHIN THE FRAGMENTISER	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	BUILD UP OF WASTE WITHIN FRAGMENTISER.	AS ABOVE	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES. CONTAMINATED FIREWATER RUN-OFF CAN KILL FISH AND AQUATIC LIFE.	THE FRAGMENTISER HAS CAMERAS THROUGHOUT MONITORED DURING RUNNING TIMES. IF A BLOCKAGE OCCURS THE DRIVER OF THE FRAG WILL STOP THE MACHINE IN ORDER FOR THE AREA TO BE CLEANED DOWN.	MEDIUM

PRE-SHREDDER	WASTE BEING STOCKPILED FOR LOADING OF THE PRE-SHREDDER AND USE OF THE PRE-SHREDDER	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	FOREIGN/UNACCEPTABLE WASTE BEING STORED WITHIN STOCK PILES WHICH COULD SPARK . PILE SIZES BEING TOO HIGH MASKING FOREIGN WASTE OR WASTE THAT IS HEATING UP	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN ASH. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	WASTE IS VISUALLY INSPECTED BEFORE THE PRE-SHREDDER AND DURING LOADING. LOCATED FOREIGN MATERIAL IS REMOVED DURING CHECKING PROCESSES. SUPPLIERS HAVE BEEN SENT REMINDER LETTERS NOT TO BRING GAS OR AEROSOL BOTTLES TO SITE ENCLOSED WITHIN OR SEPARATELY FROM THEIR WASTE. ELV HAVE BATTERIES REMOVED PRIOR TO DEPOLLUTION. WEEE WASTE IS CHECKED FOR SHRED MATERIAL NOT PERMITTED. PILE SIZES ARE MONITORED THROUGHOUT THE DAY. SITE HAS THERMAL CAMERAS TO CHECK HEAT WITHIN PILES ALL VEHICLES USED TO MOVE WASTE ARE FITTED WITH BROADBAND REVERSERS WHICH EMIT WHITE NOISE ONLY. EFFORTS ARE MADE BY THE YARD TEAM TO ENSURE WASTE IS MOVED AS QUIETLY AS POSSIBLE. TIPPING POINTS AT SITE ARE LOCATED AS FAR FROM NEIGHBOURS AS IS POSSIBLE WITHIN LIMITATIONS OF THE AREA OF SITE TIPPING IS TAKING PLACE IN	LOW
PRE-SHREDDER	WASTE BEING STOCKPILED FOR LOADING OF THE PRE-SHREDDER AND USE OF THE PRE-SHREDDER	NOISE	NOISE CREATED AS STOCK PILES INCREASE IN SIZE AND AS STOCK IS MOVED AROUND TO ACCOMMODATE REQUIREMENTS OF SITE.	NUISANCE/LOSS OF SLEEP	NOISE THROUGH THE AIR	MEDIUM	LOW	MEDIUM	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	THE YARD TEAM TO ENSURE WASTE IS MOVED AS QUIETLY AS POSSIBLE. TIPPING POINTS AT SITE ARE LOCATED AS FAR FROM NEIGHBOURS AS IS POSSIBLE WITHIN LIMITATIONS OF THE AREA OF SITE TIPPING IS TAKING PLACE IN	LOW
DEPOLLUTION	TREATMENT OF END-OF-LIFE VEHICLES	SPILLAGE OF LIQUIDS, OILS AND FUEL, LEACHATE FROM WASTE, CONTAMINATED RAINWATER RUN-OFF FROM WASTE e.g. CONTAINING SUSPENDED SOLIDS.	DURING STORAGE/TREATMENT PROCESS	ACUTE EFFECTS: OXYGEN DEPLETION, FISH KILL AND ALGAE BLOOMS	DIRECT RUN OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES	MEDIUM	HIGH	HIGH	PERMITTED WASTE TYPES INCLUDE ELV'S WHICH CONTAIN HAZARDOUS LIQUIDS SO A HIGH MAGNITUDE RISK IS ESTIMATED. THERE IS POTENTIAL FOR CONTAMINATED RAINWATER RUN-OFF FROM WASTES STORED OUTSIDE BUILDINGS ESPECIALLY DURING HEAVY RAIN.	EACH ELV IS VISUALLY CHECKED FOR LEAKS THROUGHOUT THE UNLOADING PROCESS. DURING THE DEPOLLUTION PROCESS ALL MEASURES ARE TAKEN TO ENSURE LIQUIDS ARE DRAINED USING PROVIDED DEPOLLUTION EQUIPMENT AND STORED DIRECTLY FROM THAT EQUIPMENT TO STORAGE TANKS TO ASSIST IN PREVENTION OF SPILLS. SPILL KITS ARE LOCATED THROUGHOUT THE SITE SHOULD A SPILL OCCUR. ALL DEPOLLUTION STAFF ARE TRAINED TO CARRY OUT THE PROCESS CORRECTLY.	MEDIUM

DEPOLLUTION	TREATMENT OF END-OF-LIFE VEHICLES	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	ELV'S BEING STORED WITH CAR BATTERIES STILL INSITU. ARCING WITHIN BATTERY AREA LEADING TO A FIRE. LEAKED OIL FROM ELV'S.	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN ASH. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	EACH ELV IS VISUALLY CHECKED FOR LEAKS THROUGHOUT THE UNLOADING PROCESS. DURING THE DEPOLLUTION PROCESS ALL MEASURES ARE TAKEN TO ENSURE LIQUIDS ARE DRAINED USING PROVIDED DEPOLLUTION EQUIPMENT AND STORED DIRECTLY FROM THAT EQUIPMENT TO STORAGE TANKS TO ASSIST IN PREVENTION OF SPILLS. LEAD ACID BATTERIES ARE REMOVED AS ELV'S ARE UNLOADED. SMOKING IS PROHIBITED THROUGHOUT SITE WITH SPECIAL ATTENTION GIVEN TO THIS AREA	MEDIUM
DEPOLLUTION	TREATMENT OF END-OF-LIFE VEHICLES	NOISE	DURING TREATMENT PROCESS	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN ASH. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	NOISE THROUGH THE AIR AS ELV ARE MOVED AROUND	LOW	LOW	LOW	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	ALL VEHICLE MOVEMENT IS HANDLED AS SENSITIVELY AS POSSIBLE WITH REVERSING AIDS THAT ARE BROADBAND REVERSERS WHICH PRODUCE WHITE NOISE AND LIGHTS USED TO MAKE OTHERS AWARE OF PLANT/ELV LOCATIONS. THE DEPOLLUTION SHED IS LOCATED WITHIN SITE TO ASSIST IN THE PREVENTION OF NOISE POLLUTION AFFECTING LOCAL RESIDENTS.	LOW
DEPOLLUTION	NON PERMITTED WASTE	RELEASES OF PARTICULATE MATTER (DUSTS)	DURING STORAGE/TREATMENT PROCESS	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN DUST.	AIR TRANSPORT THEN INHALATION	LOW	MEDIUM	MEDIUM	PERMITTED WASTE TYPES DO NOT INCLUDE DUSTS, POWDERS OR LOOSE FIBRES SO ONLY A MEDIUM MAGNITUDE RISK IS ESTIMATED. THERE IS POTENTIAL FOR EXPOSURE FOR ANYONE LIVING OR WORKING CLOSE TO THE SITE (APART FROM THE OPERATOR AND EMPLOYEES).	ELV'S ARE CHECKED THROUGHOUT THE DEPOLLUTION PROCESS FOR NON PERMITTED WASTE. IF THIS IS FOUND WITHIN AN ELV IT IS REMOVED, QUARANTINED AND DISPOSED OF EITHER WITHIN THE CORRECT AREA OF DISPOSAL AT SITE OR AT AN ALTERNATIVE PERMITTED SITE. IT WOULD BE UNUSUAL TO FIND AN ELV CONTAINING DUST, POWDER OR LOOSE FIBRES.	LOW

DEPOLLUTION	NON PERMITTED WASTE	RELEASE OF UNKNOWN CHEMICALS	UNKNOWN CHEMICALS COULD BE CONTAINED WITHIN THE ELV AND GET DISRUPTED DURING THE STORAGE/TREATMENT PROCESS	HARM TO HUMAN HEALTH - DEATH - RESPIRATORY ILLNESS AND IRRITATION - INJURIES TO STAFF - POLLUTION OF WATER AND LAND	AIR TRANSPORT THEN INHALATION	MEDIUM	HIGH	HIGH	PERMITTED WASTE TYPES DO NOT INCLUDE CHEMICALS BUT AS CHEMICALS IS A GENERAL DESCRIPTION FOR SEVERAL DIFFERENT WASTES A HIGH MAGNITUDE RISK IS ESTIMATED.	RECYCLING LIVES DO NOT ACCEPT CHEMICALS AT ANY SITE. IF AN UNKNOWN SUBSTANCE WAS FOUND WITHIN AN ELV IT WOULD BE REMOVED, IF SAFE TO DO SO AND QUARANTINED UNTIL CORRECT DISPOSAL COULD BE ARRANGED OR THE WHOLE ELV WOULD BE QUARANTINED UNTIL THE CHEMICAL COULD BE REMOVED. IF THE CHEMICAL WAS LEAKING THE WHOLE CAR WOULD BE QUARANTIED AND THE COMPLIANCE DEPARTMENT INFORMED AND MEASURES TAKEN AS APPROPRIATE FOR THE PARTICULAR CHEMICAL	LOW
DOWNSTREAM	WASTE STOCKPILED WITHIN THE DOWNSTREAM PROCESS AREA	NOISE	NOISE CREATED BY WASTE ENTERING DOWNSTREAM PROCESS	NUISANCE- ANNOYANCE AND LOSS OF SLEEP	NOISE THROUGH THE AIR	MEDIUM	MEDIUM	MEDIUM	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	THE DOWNSTREAM PROCESS IS LOCATED WITHIN THE MIDDLE OF SITE AND REDUCES THE LIKELIHOOD OF NOISE TRAVELLING TO THE NEIGHBOURS. DOWNSTREAM PROCESSES ONLY OCCUR DURING INDUSTRIAL ESTATE OPERATIONAL HOURS	LOW
DOWNSTREAM	WASTE STOCKPILED WITHIN THE DOWNSTREAM PROCESS AREA	RELEASES OF PARTICULATE MATTER (DUSTS)	DUST BEING RELEASED FROM STOCKPILED WASTE	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - DUST ON CLOTHES, CARS ETC	AIR TRANSPORT THEN INHALATION	MEDIUM	MEDIUM	MEDIUM	RESIDUES FROM FRAGMENTISING THAT CONTAIN DUST	WASTE IS STORED WITHIN BAYS AND FOR AS LIMITED TIME AS POSSIBLE.	LOW
DOWNSTREAM	WASTE STOCKPILED WITHIN THE DOWNSTREAM PROCESS AREA	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	OVERHEATED WASTE PILES	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN ASH. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	LOW	MEDIUM	MEDIUM	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	WASTE IS NOT STORED WITHIN THIS AREA FOR LONGER THAN FOUR WEEKS. THE WASTE IS TURNED AS IT IS WORKED+K23	LOW

MAINTENANCE WORKSHOP	REPAIR OF VEHICLES / PLANT/MACHINERY	NOISE	MOVEMENT OF VEHICLES/VEHICLE HORNS WARNING OF MOVEMENT/DROPPING TOOLS	NUISANCE/LOSS OF SLEEP	NOISE THROUGH THE AIR	LOW	LOW	LOW	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	THE MAINTENANCE WORKSHOP IS LOCATED WITHIN A BUILDING ASSISTING IN PREVENTION OF NOISE FROM TOOLS ETC. OUTSIDE OF NORMAL INDUSTRIAL ESTATE HOURS HORNS ARE NOT USED. DRIVERS ARE EDUCATED ON THE NEED TO DRIVE AS QUIETLY AS POSSIBLE AND NOT TO REV VEHICLES UNNECESSARILY. ALL MAINTENANCE STAFF ARE AWARE OF THE NEED TO MINIMISE NOISE WHERE POSSIBLE	LOW
MAINTENANCE WORKSHOP	REPAIR OF VEHICLES / PLANT/MACHINERY	SPILLAGE OF LIQUIDS, OILS AND FUEL, CONTAMINATED RAINWATER RUN-OFF e.g. CONTAINING SUSPENDED SOLIDS.	DURING PROCESS OF REPAIR OIL/FUEL MAY BE SPILLED	ACUTE EFFECTS: OXYGEN DEPLETION, FISH KILL AND ALGAE BLOOMS. CHRONIC EFFECTS, DETERIORATION OF WATER QUALITY	IF FUELS OR OIL ARE WASHED OFF SITE THEY MAY CONTAMINATE BUILDINGS / GARDENS / NATURAL HABITATS DOWNSTREAM	MEDIUM	HIGH	HIGH	VEHICLES AND PLANT REPAIRED IN THIS AREA CONTAIN PETROL/OIL AND FUELS WHICH IF SPILLED ARE HAZARDOUS LIQUIDS SO A HIGH MAGNITUDE RISK IS ESTIMATED.	SITE DRAINS FEED THROUGH AN INTERCEPTOR TO PREVENT OIL FROM REACHING SURFACE WATER DRAINS. SITE IS A FULLY BUNDED SITE AND CONCRETE FALLS TO THE CENTRE OF THE SITE. SPILLS ARE CONTAINED AND CLEARED AS SOON AS SEEN TO OCCUR.	MEDIUM
MAINTENANCE WORKSHOP	REPAIR OF VEHICLES / PLANT/MACHINERY	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	FIRE WITHIN VEHICLE / MACHINE BEING REPAIRED.	HARM TO HUMAN HEALTH - RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC COVERED IN ASH. INJURY TO STAFF / FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	VEHICLES AND PLANT ARE REPAIRED IN THIS AREA AND SPILT OIL COULD IGNITE	SPILLAGE PROCESS ABOVE. FIRE EXTINGUISHERS ARE LOCATED THROUGHOUT THE SITE AND THE SITE HAS UP TO DATE FIRE PREVENTION AND EMERGENCY PLANS. MECHANICS ARE AWARE TO CHECK VEHICLES THOROUGHLY BEFORE STARTING WORK, INCLUDING REMOVAL OF KEYS FROM IGNITION TO PREVENT	MEDIUM
VEHICLES WITHIN SITE	CRANES/SHOVEL/FORKLIFTS/TRUCKS	NOISE	MOVING STOCKPILES/WORKING THROUGH STOCK PILES/FILLING BOXES IN CONTAINER AREA/MOVING CRANES AROUND SITE/USING WARNING HORNS	NUISANCE/LACK OF SLEEP	NOISE THROUGH THE AIR AND VIBRATION THROUGH THE GROUND	MEDIUM	LOW	MEDIUM	LOCAL RESIDENTS OFTEN SENSITIVE TO NOISE	OUTSIDE OF NORMAL INDUSTRIAL ESTATE WORKING HOURS ALL DRIVERS ARE AWARE THROUGH TOOLBOX TALKS AND EXPERIENCE NOT TO USE HORNS. ALL DRIVERS ARE TOLD THROUGH TOOLBOXES AND SITE EXPERIENCE TO DRIVE WITH CONSIDERATION FOR THE LOCAL ENVIRONMENT AND TO REDUCE 'ROAD' NOISE AS MUCH AS IS POSSIBLE.	LOW

VEHICLES USED WITHIN SITE	VEHICLE MOVEMENT AROUND SITE	SPILLAGE OF LIQUIDS, OILS AND FUEL, CONTAMINATED RAINWATER RUN-OFF e.g. CONTAINING SUSPENDED SOLIDS.	VEHICLE BREAKDOWN OR LEAKING TANKS ON VEHICLES	ACUTE EFFECTS: OXYGEN DEPLETION, FISH KILL AND ALGAE BLOOMS. CHRONIC EFFECTS, DETERIORATION OF WATER QUALITY	IF SPILLAGE WASTE IS WASHED OFF SITE IT MAY CONTAMINATE BUILDINGS / GARDENS / NATURAL HABITATS DOWNSTREAM	LOW	MEDIUM	MEDIUM	PLANT MACHINERY AND VEHICLES CONTAIN HAZARDOUS LIQUIDS SO A HIGH MAGNITUDE RISK IS ESTIMATED. THERE IS POTENTIAL FOR CONTAMINATED RAINWATER RUN-OFF IF THE PLANT LEAK OR FUELS ARE SPILLED DURING RE-FUELLING ESPECIALLY DURING HEAVY RAIN.	ANY VEHICLE USED ON SITE IS SUBJECT TO PRE-USE CHECKS INCLUDING CHECKING FOR LEAKS. IF A VEHICLE IS LEAKING IT IS REPORTED ON THE PRE-USE CHECK AND DIRECTLY TO THE AREA ON SITE MANAGER. THE VEHICLE WILL BE TAKEN OUT OF USE UNTIL FIXED. IT WILL BE STORED WITHIN AN AREA OF SITE THAT IS ABLE TO CONTAIN ANY LEAKAGE IF IT CANNOT BE DRAINED STRAIGHT AWAY.	LOW
VEHICLES WITHIN SITE	VEHICLE MOVEMENT AROUND SITE	FIRE AND THE RELEASE OF POLLUTING MATERIALS TO AIR (SMOKE OR FUMES) WATER OR LAND	VEHICLE BREAKDOWN CAUSING FIRE	HARM TO HUMAN HEALTH- RESPIRATORY ILLNESS AND IRRITATION. NUISANCE TO LOCAL POPULATION - CLOTHES AND CARS ETC. INJURY TO STAFF/FIRE FIGHTERS. POLLUTION OF WATER AND LAND	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	MEDIUM	HIGH	HIGH	AIR TRANSPORT OF SMOKE. SPILLAGES AND CONTAMINATED FIREWATER BY DIRECT RUN-OFF FROM SITE AND VIA SURFACE WATER DRAINS AND DITCHES.	ALL SITE VEHICLES ARE CHECKED PRIOR TO USE FOR ANY DAMAGES THAT COULD LEAD TO INCIDENTS INCLUDING ENVIRONMENTAL INCIDENTS. VEHICLES USED ON SITE ARE FITTED WITH FIRE EXTINGUISHERS AND THERE IS A FIRE ENGINE AT SITE SHOULD THE NEED ARISE FOR USE.	MEDIUM
SITE YARD SURFACES	EVERYTHING ON SITE	SPILLAGE OF LIQUIDS, OILS AND FUEL, CONTAMINATED RAINWATER RUN-OFF e.g. CONTAINING SUSPENDED SOLIDS.	DAMAGED CONCRETE CAUSED BY VEHICLE AND WASTE MOVEMENT	ACUTE EFFECTS: OXYGEN DEPLETION, FISH KILL AND ALGAE BLOOMS. CHRONIC EFFECTS, DETERIORATION OF WATER QUALITY	SPILLAGES OF LIQUIDS OR FUELS GOING THROUGH DAMAGED CONCRETE MAY AFFECT GROUND SOIL AND GROUND WATER AND EXTRACTION AT LOCAL BOREHOLES	LOW	MEDIUM	MEDIUM	PERMITTED WASTE TYPES INCLUDE ELV'S WHICH CONTAIN HAZARDOUS LIQUIDS SO A HIGH MAGNITUDE RISK IS ESTIMATED. THERE IS POTENTIAL FOR CONTAMINATED RAINWATER RUN-OFF FROM WASTES STORED OUTSIDE BUILDINGS ESPECIALLY DURING HEAVY RAIN.	ALL VEHICLES ON SITE ARE CHECKED FOR LEAKS WITH ELV CHECKED DURING UNLOADING PROCESS AND SITE VEHICLES IN PRE-USE CHECKS. DEPOLLUTION PROCESS ENSURES ALL MEASURES ARE TAKEN TO DRAIN LIQUIDS USING PROVIDED EQUIPMENT WHICH LEADS DIRECTLY INTO DOUBLE SKINNED STORAGE TANKS TO ASSIST IN PREVENTION OF SPILLS. ANY SPILLS IDENTIFIED AT SITE ARE DEALT WITH AS QUICKLY AS POSSIBLE. CONCRETE REPAIRS ARE GIVEN PRIORITY DUE TO THE NATURE OF WORK UNDERTAKEN AT SITE	LOW





