FIRE PREVENTION & MITIGATION PLAN

DECEMBER 2018

31, Wimbourne Road,
Barry Dock, Barry,
South Glamorgan CF63 3DH

Bespoke Permit Number (to be added)
Vehicle Dismantling
Metal Recycling

FIRE PREVENTION & MITIGATION PLAN

1. Types of waste received daily
2. Waste stored on site
3. Maximum storage times
4. Waste storage site map
5. Maximum Size of material piles

5a. Site Map

6. Site Map - Minimum separation break between piles
7. Perimeter of site (map)
8. Fire Prevention
   a) b) c)
9. Techniques to minimise risk of fire spreading
10. Steps and procedures to be followed if a fire occurs
11. Combustion products and emissions
12. Sensitive receptors
13. Safe Access

13a. Site Map

14. Site Map - Layout of buildings
15. Site Map - Hazardous materials storage
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21. Site Map - Location of drain covers & pollution controlled features
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24. Site Map - Assembly point for staff and visitors
25. Site Map - Compass rose showing North & the prevailing wind direction
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28. Separating unburnt material from the fire
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Types of Waste Received Daily

Material	Amount (Tonne)	Managed
Light Iron & WEEE	500	Fred Software System & Weighbridge Tickets
Cuttings	500	Fred Software System & Weighbridge Tickets
Ferrous Scrap (Unprocessed)	500	Fred Software System & Weighbridge Tickets
Ferrous Scrap (Processed)	1000	Fred Software System & Weighbridge Tickets
Non Ferrous	500	Fred Software System & Weighbridge Tickets

Waste Stored On Site

Material	Forms	mount (Tonne	Storage
Light Iron & WEEE	Unprocessed	10,000	Loose Waste Stacked
Cuttings	Unprocessed	10,000	Loose Waste Stacked
Ferrous Scrap	Unprocessed	10,000	Loose Waste Stacked
Ferrous Scrap	Processed	10,000	Loose Waste Stacked
Non Ferrous	Processed/Unprocessed	10,000	Containers

Maximum Storage Times

Material	Max Time	Managed
Light Iron & WEEE	6 Months	Fred Software & Weighbridge Tickets
Cuttings	6 Months	Fred Software & Weighbridge Tickets
Ferrous Scrap - Shearing/OS OA	6 Months	Fred Software & Weighbridge Tickets
Ferrous Scrap - 1&2 / OA	6 Months	Fred Software & Weighbridge Tickets
Non Ferrous	6 Months	Fred Software & Weighbridge Tickets

Maximum Size of Material Piles

Material	Size of Pile - Length x Width	Minimum Seperation Distance	Current Distance To Nearest Pile
Light Iron & WEEE	35 x 20	11.2	15
Cuttings	15 x 15	9	15
Ferrous Scrap - Shearing/OS OA	20 x 15	10	15
Ferrous Scrap - 1&2 / OA	25 x 15	11	15
Inhert Material	10 x 10	7	15
ELVs	10 x 10	7	15

Fire Prevention

Arson & Vandalism

All perimeter fencing is in good condition with it added to the site managers daily inspection sheet.

The site is monitored 24 hrs a day by a local security company:-

Secure IT
Units 3&4
Abergarw Road
Brynmenyn
Bridgend
CF32 9LY
01656 721319

They use cameras & infrared beams

Fire Prevention

Self Combustion

The Site Manager will inspect the piles at the end of the every shift.

This will be recorded on his daily check sheet where he will be looking for steam (see inspection sheet)

Smoking

Smoking is banned from the site

Cylinders

All cylinders are stored in a case away from stored materials.

The Site Manager will inspect daily and record (see inspection sheet)

Leaks & Spillages of oils and fuels

The Site Manager will carry out and record daily checks for leaks and spillages. (See inspection sheet)

Fire Prevention

Hot Works
Safe working procedures are set for all hot works that occur on site. (See procedures) All contractors are inducted so they follow hot works procedures.
Quarantine Area
If any material starts to smoke we will use our machines to extract material to Quarantine are to minimise the spread of the fire. If any hot loads arrive they will be deposited in the Quarantine area.
Mobile Equipment
All mobile equipment to be parked away from material. Daily inspection are carried out and recorded on a daily basis

Fire Prevention

Batteries - Light Iron (WEEE)
Batteries must be removed from every unit before processing. This is part of our reception procedure.
ELV
Every vehicle will have the battery removed before the end of the shift
Electrical Cables
All cables will be inspected by the operator at the start of every shift. An electrical contractor will carry out 6 Month visual and 12 Month inspection certificate. We will be using Dai Spark Electrical. Reg - Stri12007

Techniques to Minimise The Risk of Fire Spreading

1	Call 999
2	Use large cranes to make fire break in the material
3	If the fire is small, use large crane to put fire into quarantine area while awaiting fire brigade
4	Site manager to be trained as fire marshal
5	Depending on the size of the fire, tackle it using approved methods before fire brigade arrive
5	Follow the fire prevention procedure
6	Apply water to cool unburnt material
7	If large fire, use heavy plant to shift material to quarantine area for fire brigade to quench

Procedures To Be Followed If A Fire Occurs On Site

1	**Raise the alarm**
	Anyone discovering the fire should raise the alarm immediately, regardless as to how small the outbreak is.
2	**Evacuate**
	Evacuation should be prompt and calm. Everyone should make their way to the designated assembly point. Any hazardous machinery should be shut down.
3	**Get to the Assembly Point (Pictured Below)**
	The location of the assembly point must be easily accessed by all. A headcount should be performed, making sure all visitors are accounted for. You should not re-enter the building until told to do so by an attending Fire Officer

Combustions Products & Emissions

Outlined in our Operations Manual & Environmental Management Plan are procedures and checks we undertake to prevent the effects on human health, animal welfare, plants, aquatic life and environment.

AIR - Dust, fumes, flies & litter
Avoid activities during periods of high winds. No smoking policy on site. Don't use flammable products near any waste types No fires on site
Land - Metal, Plastic, Waste, Dust, Litter, Oil, Fuel & Paper
Control ignition sources No smoking policy *Check no cracks on hard stand* Access to Spill Kits Don't use flammable products near any waste types

Combustions Products & Emissions

Water - Metal, Plastic, Waste, Dust, Litter, Oil, Fuel & Paper
Water runs into interceptor, work to be carried out on hard stand. Water runs to interceptor and not groundwater areas or watercourses, clean up pollution as soon as possible. Keep routine checks leaks from underground structures and keep records of interceptor being emptied by specialised contractor, check no cracks on hard stand.
Inform Natural Resources Wales of any Environmental problems that might need their attention. Keep storage height of piles at 4 metre heights. Ensuring that all escape route areas are always kept clean of litter and debris including weigh bridge & office. Outside board with emergency contact name & numbers incase of an emergency. Ensure that all entrances are kept clear for access for emergency vehicles.

Sensitive Receptors Within 1 km Of Site

Human Receptors	Distance	Contact Number
Hospital	N/A	
Nursing Home	N/A	
Schools	N/A	
Transport Networks		
Rail	Dock Rail	07799336291
Bus	N/A	
Road	Wimbourne Road	
Places of Work	Barry Docks	01446 736110
Residential Areas	CF63 3JB	02920 222111

Environmental Receptors	Distance	Contact Number
Source Protection Zones	N/A	
Surface Waters	ABP Barry	02920 835042
Potable Abstractions	N/A	
Ground Water	N/A	
Protected Habitats	N/A	
Fisheries	N/A	

Safe Access

Access to the site is off Wimbourne Road, Barry Docks. During an emergency within working hours, a member of staff will be waiting by the entrance to give instructions of the fire location and will have a hard copy of the Emergency Information Pack
Out of working hours, the monitoring company - Secure IT will contact emergency services, contact the security guard at Barry Dock and contact the site manager of South Wales Exports.
The security guard will open the gates to the yard and also give details of where the emergency information pack is kept. Please refer to site map.

Reducing The Amount Of Fire Water Run-Off Generated

All material is stored on an impermeable surface. The site topographic survey shows all water will run to a gully drain that's across the whole site.

The interceptor that is connected to the drain can be blocked off using a bung

We have a contract with GD Environmental, when there is a fire they will come and keep drain empty ensuring no water run off to water course.

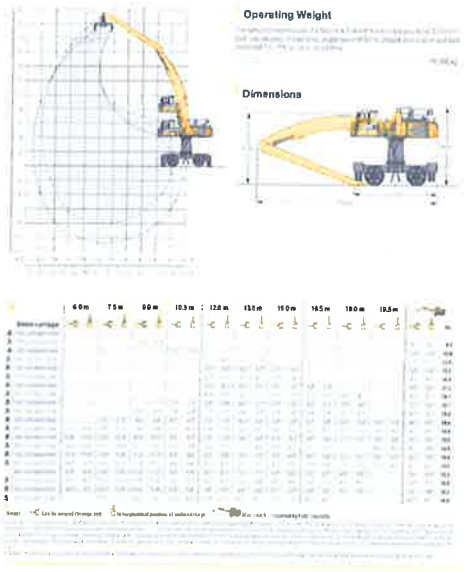
Recycling Fire Water

We will dispose of water collected in gully as we have 3 hydrants on site and also permission off ABP to use dock water in an emergency if needed.

Separating Unburnt Material From The Fire

On site we have a new Liebherr LH60 with a turret. This allows us to move material before it gets burnt. The reach of the handler is 22 m.

We will only use this technique when instructed by the Fire Brigade.



Separating Burnt Material From The Fire

On site we have a new Liebherr LH60 with a turret. This allows us to move material into Quarantine area. The reach of the handler is 22 m.

We will only use this technique when instructed by the Fire Brigade.

H 60 M HR - Attachment AG20

fusitry - Kinematic 2C