

R R Davies Limited

**Bron-y-Garn,
Pencoedcae
Mid Glamorgan CF37 1QA**

PERMIT - MP3894VQ

Competent Person

Mr. Robert Davies

End of life Vehicles (ELV)
Metal Recycling Sites (MRS)

W. R. Davies & Co. Ltd. Registered in Wales. No. 1048044
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Environmental Management Plan (EMS)

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INTRODUCTION

R R Davies Limited has prepared this Environmental Management Plan (EMS) for the operation of their End of Life Vehicles (ELV) and Scrap Metal Recycling at Bron-y-Garn, Pencoedcae, Mid Glamorgan CF37 1QA

Site description and characterisation of risk source

1.1 Specified site and waste management operations

Site address:- R R Davies Limited,
End of Life Vehicles and Scrap Metal Recycling,
Bron-y-Garn, Pencoedcae, Mid Glamorgan CF37 1QA

The site location and licensed boundary are shown on (awaiting plan and will be added) APPENDIX A

1.1.1 Classification of specified waste management operations

The following waste management operations are carried out at R R Davies Limited (the operator) recycling Facility, Bron-y-Garn, Pencoedcae, Mid Glamorgan CF37 1QA (the site).

D15: Storage of waste pending any of the operations classified D1 to D14 as listed in Part III of Schedule 4 of the Waste Management Regulations 1994.

R13: Storage of waste consisting of materials intended for submission to any operation classified R1 to R12 as listed in Part III of Schedule 4 of the Waste Management Licensing Regulations 1994.

1.2 Brief description of Facility

This section should be read in conjunction with (awaiting plan and will be added) (site layout drawing) which can be found in APPENDIX A.

End of Life Vehicles and Scrap Metal items will be delivered to the Facility by means of road transport. Carriers will be required to hold a current Carriers of Waste certification.

On arrival at the Facility items will be stored in the Initial Storage and Classification Area.

In general, items will be inspected on arrival. All hazardous components will be removed and sent for recycling/treatment disposal at a suitably licensed facility. The metals will be removed and stored prior to recycling. The remaining plastics will be shredded and reprocessed.

All material delivered to the facility will be stored in compliance with the relevant Natural Resources Wales guidance. The processing equipment will be housed inside the buildings to provide maximum security and minimise any environmental impact.

1.3 Excluded and Exempt Activities

There are a number of activities within the permitted area of this facility; these activities are controlled under the relevant Permit and exemption activities.

1.4 Specified Site Operations

The site is located within the Bron-y-Garn site complex and is accessed from the A (need to add on access and design for premises)

1.4.1 Initial Storage and Classification Area

All End of life Vehicles and Scrap Metal will be separated.

Items will remain in the delivery area prior to either being processed on site or removed off site by an appropriate transport company for further treatment, reprocessing or disposal.

1.4.2 Manual separation

On arrival at the facility all End of Life Vehicles and Scrap Metal items will be unloaded and stocked in the respective storage areas, the items will be visibly inspected and any material or waste that is not permitted at the facility will be removed and placed in the waste bin provided.

The site will use IDIS or other manufacturers guidance to obtain depollution on the ELV, if required, the ELV would be inspected for an airbag and set heater control to maximum, materials that would be removed are batteries, fuel, oil, filler caps, wheels, tyres, balance weight from wheels.

Liquids such as petrol will be separated at a distance to protect the stored petrol from potential ignition sources.

All items from the End of Life Vehicles will be separated into the relevant category; i.e. are batteries, fuel, oil, filler caps, wheels, tyres, balance weight from wheels, containers will be clearly labelled so that people are aware of their contents and hazards, all the components and the car carcass will be removed from site for further recovery of metals.

1.4.3 Storage of processed materials

All materials will be stored in the designated storage areas, lead acid batteries will be stored in containers with an impermeable, acid resistant base and kept inside to prevent ingress of water, all liquid types fuel, oils, brake fluids and water based fluids will be stored separately, this will be recorded and the information of the specialist recovery company for disposal will provided to Natural Resources Wales if so required.

1.4.4 General waste

A skip and or bin will be provided so that any un-authorized or odorous waste can be stored. They will be emptied on a regular bases into A skip marked general waste in the permitted area and a record of waste leaving the site, detailing the waste company's information and where the waste is transported to with the relevant EWC codes.

1.4.5 Quarantine area

A designated area will be established so that any non-conforming waste can be stored prior to its removal from site, this area will a secure area so that it prevents the waste stored in it from contaminating the environment and other waste and materials on site.

1.5 Permitted wastes, quantities and storage durations

Table 1 below lists the general types and quantities of waste that may be held at the facility. A full list is given in Appendix C

If a waste type is delivered to the site that is not on the list the operator will contact Natural Resources Wales to determine if it is permitted at the facility. If the waste is not allowed a suitable disposal option will be agreed with Natural Resources Wales, the person who produced the waste and the site operator.

1.6 Annual tonnage of waste accepted at the Facility with condition of permit MP3894VQ

Schedule B Types of Waste

Types of waste materials acceptable at the facility and the maximum quantities stored at any given time shall consist only of the following solid wastes :

Types of waste	Quantity
Vehicle bodies	200
Tyres	100
Batteries	200
Vehicle Components/Engines	30 tonnes
Scrap Metal	75 tonnes
Waste oil	1200 litres
LP Gas Cylinders	5
TOTAL ANNUAL INPUT NOT TO EXCEED 25,000 TONNES	

Which do not contain any poisonous noxious or polluting substance or any bio-degradable wastes.

Tanks or drums used for the storage of liquids shall be contained within the bunded compounds. The containment capacity of the bund shall be at least 110% of the tank capacity in the case of a single tank. Where multiple tanks and drums are contained within a bund, then the bund capacity shall either be 110% of the capacity of the largest tank or drum, or 25% of the total volume of the liquid which could be stored in the bund, - whichever the greater. The side walls and base of the bunded areas shall be lined with impervious material.

Every part of the storage tank shall be within the bund.

All taps or permanent valves through which liquid can be discharged shall be

1. Within the bund;
2. Discharged vertically downwards;
3. Shut and locked when not in use.

Where liquid from a tank is delivered through a flexible pipe permanently attached to the tank then –

- a) A tap valve shall be provided at the delivery end which automatically closes when not in use;
- b) An isolating valve shall be provided at the tank end of the flexible pipe which shall be kept locked when not in use;
- c) The flexible delivery pipe shall be kept within the bund when not in use.

Batteries

All lead acid batteries shall be stored in a designated area.

- i. The area is constructed with an impervious base and bunding with blind sump so as to prevent the escape of any of the contents of the batteries or any contaminated liquor. The area shall be covered to prevent ingress of water into it. The bunding and sump shall be emptied regularly into a suitably constructed and labelled container.
- ii. Scrap batteries shall be stored wet (i.e. containing acid) whilst awaiting removal to a facility capable of processing the acid metal contents.
- iii. Batteries for resale shall be drained and flushed with water in an impervious bunded area. Electrolyte and flushing shall be stored in suitable containers in a bunded compound for collection and disposal of as a Special Waste and the Waste Regulation Authority notified accordingly.

- iv. A suitable alkali material be used to neutralise spillages and a drip tray provided under acid containers.

The maximum tonnage of WEEE material accepted at the facility per year will not exceed 24,999 tonnes

1.7 Hours of Operation

The hours of operations will be in compliance with the local planning agreement.

1.8 Operations of mobile plant and associated equipment

Typical mobile plant and equipment that will be used at the facility will be forklift trucks and front-loading shovels. Operators of these vehicles will be trained in their use. All vehicles will be serviced in accordance with the manufacturer's directions.

Section 2 Site engineering for pollution prevention and control

2.1 Engineered site containment and drainage systems

The designated working area will be within Bron-y-Garn, Pencoedcae, Mid Glamorgan CF37 1QA these buildings can be securely locked when they are unmanned.

The Building has fully engineered concrete floors that are suitable for the purposes of the operations.

The building and floors will be inspected every week to insure there are no defects. Should any defects be found, temporary repairs will be carried out to insure the integrity and security of the facility; permanent repairs will be carried as soon as practicable. Records of damage and repair will be kept in the site diary.

There is a suitable rest room/mess facility available with a WC for the workforce.

2.2 Drainage systems

There are no open drains within the building used for the storage of non ferrous metals, Batteries, liquids etc., the items will be stored internally in containers, bins, pallets on the concrete floor. There will be no leakage from the material into the drainage system.

Drainage from the mess rooms, WC's are connected to the foul sewer system within the Bron-y-Garn, Pencoedcae, own system which discharges to the local public foul sewer.

The sealed drainage system uses impermeable service, this drainage system with its impermeable components which ensures that no liquids will run off a surface other than the system, except where they may lawfully be discharged, to foul sewer, all liquids entering the system are collected from the sealed sump and collected via a specialist recovery company for disposal, records of the fluids collected and information can be provided to Natural Resources Wales.

Section 3 Site Infrastructure

3.1 Provision of Site identification board

A site identification board will be erected at a prominent position, so it is visible to everyone who visits the site, it will include the following information:

- Name of facility
- Name of permit holder/site operator
- Contact address for permit holder/operator
- Operational hours
- Permit numbers
- Emergency site telephone contact number
- Natural Resources Wales office and emergency telephone 0300 065 3114 – 0300 065 3000

3.2 Site Cleanliness

All materials handled at the facility are broken down and all the recycling processes are carried out within the controlled areas, if there is likelihood of material being tracked off the site or blown off, in this the event if the material is spilt on the site access roads or public highway the material will be cleared as soon as site staff have been notified.

3.3 Site Security

All access points at the facility can be closed and locked when it is un-manned.

During the times when the facility is manned, visitors will be required to sign the visitor's book, which is kept in the main site office. During usual operating conditions all doors that are not required for access will be closed.

The facility is within secure buildings as explained earlier, the site is bounded by security fencing and walls. The fence boundaries are checked regularly by the staff and any repairs are carried out promptly.

Section 4 Site operations

4.1 Control of mud and debris

All materials that may be spilled will be collected and placed in the appropriate storage container or area. There should be no escape of debris from the facility. Daily checks will be made to ensure all mud or debris is cleaned from roads and surfaces in the appropriate manner.

4.2 Potentially polluting leaks and spills

All equipment is sited on concrete hardstanding and inside the buildings, there is no requirement for any drainage for the operations.

All ELV's and recovered material will be stored in secure containers or in the designated storage areas. In the event of any spillage of liquids at the facility, it will be treated as an emergency and as such the Emergency Plan (see Appendix B) will be brought into effect. Where possible the leak or spilt oil will be soaked up by using a spill kit.

If oil soaks into the ground and its damaged

4.3 Equipment and materials for cleaning up leaks and spillages

In the event of an oil spill, the site operators will take immediate action to stop oil from entering drains and watercourses. Absorbent granules, spill kits will be stored onsite to deal with any spillage of liquids. These materials will be stored in a manner to prevent them becoming hydrated.

The site will notify Natural Resources Wales if there has been a spillage to watercourses or ground soil and if necessary soil samples may have to be taken.

All oil and fluids will be stored in suitable containers labelled prior to removal off site to an appropriately approved disposal facility. A record of the material removed will be kept in the site office.

4.4 Fires on site

In the event of a fire on site the Emergency Procedure will be initiated.

The local fire brigade will be contacted in the case of a large fire that could not be dealt with by the personnel and equipment on site.

During any incident of fire, the facility will be closed and evacuated leaving only those personnel who are dealing with the fire. When the local fire brigade is on site the Site Manager or Assistant will provide the necessary assistance.

All fire will be recorded in the site diary and Natural Resources Wales will be informed within 48 hours of any incident.

Fire prevention and control

4.4.1 Fire fighting/suppression equipment and materials

The site will have a sufficient number of suitable types and sizes of fire extinguishers. These extinguishers will be located at various points around the site so that they are easily accessible in the event of a fire. The extinguishers will be of a type capable of dealing with electrical, oil and combustible material fires. The minimum size of the extinguishers will be 7.5kg and will be checked annually by a qualified person.

4.4.2 Procedures for the prevention of fires

A number of procedures are undertaken on site to reduce the possibility of fires starting. The whole site is designated as a No Smoking area.

No 'Hot Working' will be permitted on site without a 'Permit to Work' being issued.

Combustible materials such as waste cardboard and paper will be stored in appropriate waste containers and not left uncontained around the facility.

4.4.3 Procedures to be followed when a fire is detected

In the event that a fire is detected the 'Emergency Plan' and 'Fire Procedure' shall be followed.

4.4.4 Records of waste inputs and outputs

All End of Life Vehicles and Scrap Metal brought onto the site will be recorded on the Company's record sheets. The person/company who delivers the materials to site must be a registered carrier of waste and have the correct waste transfer information with them, these records are to comply with Section 34 of the EPA 1990.

Copies of these records will be available to Natural Resources Wales.

Material that are removed from site will also be recorded and the destination recorded. The quantity of each load will be checked on the weighbridge within the Park or on weighing scales within the facility. Records will be kept in the site office and quarterly summaries will be sent to Natural Resources Wales.

Only wastes described in this plan will be accepted at the facility. Any other waste will be rejected, and the carrier instructed to remove the load from the facility. All waste will be checked for compliance purposes and if approved will be placed in the appropriate storage bay.

4.4.5 Waste quantity measurement

The method of measurement of material delivered to the facility and material removed will be based on the type material, they will conform to the standards used by Natural Resources Wales.

Section 5 Pollution Control, Monitoring and Reporting

5.1 Environmental Monitoring

The Risk Assessment prepared for the facility conclude that the risks posed by operations to the environment are minimal and the control measures that will be in place, including the engineered containment are sufficient. Even though this is in place there will still be a routine environmental monitoring.

The operator will carry out any occasional environmental monitoring Natural Resources Wales may require or will allow officers of Natural Resource Wales access to the facility to carry out their own environmental monitoring.

Section 6 Amenity Management and Monitoring

6.1 Control, monitoring and reporting of dust, fibres and particulates

No waste will be accepted that consists or contains significant proportions of dust, fibres or particulates.

The site supervisor will undertake visual monitoring for excessive dust, fibres and particulates throughout the working day.

Details of all monitoring and remedial actions taken will be recorded in the site diary.

6.2 Controls of odours

Due to the nature of the materials handled on site and that all operations are within the buildings there is little potential for malodorous emissions.

Should any of the materials become malodorous they will be immediately or removed from the facility.

No waste consisting of or containing substances with significant hazard of odour will be accepted at the site only what is agreed to on the permit.

6.3 Control of pest infestation

The waste type that is stored on site is unlikely to attract pests and therefore any infestation.

The facility will be inspected for the presence of vermin and insects by the site supervisor.

A specialist contractor will be employed if a pest infestation is found, they will be responsible for the eradication of the infestation.

Details of the site inspections and any control measures undertaken, including types and quantities of pesticides used will be recorded in the site diary.

6.4 Control of litter

Litter is not anticipated to be an issue at the facility. All vehicles taking waste from the site will be checked to prevent any spillage on roads and highways.

Details of all site inspections and cleaning schedules will be recorded in the site diary.

6.5 Noise

There is regular monitoring of noise at different places and times, the equipment is maintained regularly to reduce noise levels, plant equipment and vehicles are switched off when not in use, consideration is taken not work during evenings and weekends. To minimise noise outside the buildings deliveries and export of materials will be within the designated times stated in the local planning consent.

6.6 Technical Competence

The site will be manned during the reception of End of Life Vehicles and Scrap Metal and removal of materials with at least two operatives. During the processing period the facility will be manned by three operatives. The appointed facility manager will obtain the required level of WAMITAB certification within 2 years of the issue of the permit.

6.6.1 Management and supervision for the Facility

The facility will have an appointed manager. The manager will meet the requirements of the Natural Resources Wales for Technical Competence. In addition, an assistant manager will be based on site who will take over the responsibilities of Technical Competence should the manager be unavailable.

The site will be manned with sufficient personnel so that the operations of the waste acceptance, storage and processing are undertaken safely and efficiently and ensure compliance with the requirements of the Permit and HSE.

Any changes to the named competent personnel will be forwarded to Natural Resources Wales for approval and any changes only made when agreement has been received from the Agency.

6.6.2 Training requirements

All site personnel will be trained in the use of equipment and or plant that they operate. Such training will include the following:

- Specific training in the use of equipment and plant offered by the manufacturers.
- Operational training by outside organisation for safe use of equipment.
- General Health and Safety training.
- Onsite training by Company staff.

Section 7 Site Records

7.1 Security and availability of records

All records relating to the operation of the site will be kept in the facility's office.

The site records will contain a copy of the waste permit this Plan and site diary.

The site diary will contain a minimum details as follows:

- Non conforming waste acceptance at the facility.
- Site incidents, accidents and emergencies.
- Site inspections and any corrective actions taken.
- Schedule maintenance and cleaning.
- Visitors on site.

All other records will be available for inspection by the Natural Resources Wales officers as required. Requests for all relevant information must be made directly to the manager.

Appendix A

Site Plan

Awaiting Drawings

Appendix B

Emergency Plan

R R Davies LIMITED

Emergency procedures for WEEE Facility

DEFINITION OF AN EMERGENCY

Emergencies covered by this procedure include the following: -

- outbreak of fire in plant
- catastrophic failure of plant
- spillage or leakage of CFC's or oils
- other uncontrolled situations likely to result in pollution or serious risk to health, safety or the environment.

Any of the above, or any situation likely to lead to any of the above, is to be treated as an EMERGENCY and MUST be dealt with according to this procedure.

IMMEDIATE ACTION

Any person detecting an **EMERGENCY** must ensure the safety of themselves and other people as a first priority. If there are risks to safety, the site must be completely evacuated until expert help is obtained.

Before taking any action to deal with the **EMERGENCY**, expert assistance MUST be sought using the telephone numbers listed below.

Once expert assistance has been requested, the most senior person operating the plant should take charge as **Acting Incident Officer** until expert assistance arrives at the site.

The **Acting Incident Officer** should ensure that the area surrounding the plant is evacuated of all non-essential personnel and ensure that no one enters the area surrounding the plant without his/her express permission.

If safe to do so, the **Acting Incident Officer** should arrange for a brief visual inspection of the plant to determine whether immediate action is necessary to contain the **EMERGENCY** or lessen the risks to health, safety or the environment. Once this inspection has been completed, the **Acting Incident Officer** should determine whether it is safe to take any action or whether it should be delayed until help arrives. If there is any doubt, **NO ACTION SHOULD BE TAKEN.**

DEALING WITH THE EMERGENCY

If the emergency services are in attendance the **Incident Controller** will either be a member of the **Police or Fire Service (as appropriate)**. If the **Natural Resource Wales** is in attendance the **Acting Incident Officer** should determine whether the **Agency** wish to take charge of the situation. Otherwise, the most senior member of staff will take charge as the **Incident Controller**.

The Incident Controller must obtain a verbal report from the **Acting Incident Officer** as to the circumstances of the emergency and persons/ organisation contacted to provide expert assistance.

The Incident Controller must establish an **Incident Control Point** at a suitable position so that everyone who is involved with the incident has clear access. **The Incident Control Point** should have access to a working telephone at all times during the emergency.

The Incident Controller must assess the available information as to the circumstances of the **Emergency** and should decide whether additional help is required, if so arrange for additional help forthwith.

If action can be taken to deal with the emergency, the **Incident Controller** must ensure that he has assessed the risk to health and safety before allowing such action to be undertaken. If there is any doubt no action should be taken.

Contact Numbers:

Site Manager: 07876776859

In Case of Fire or Rescue of Trapped Personnel:

Local Fire Service: - Dial Emergency Number 999

In Case of leakage of Liquids that cannot be dealt with by plant personnel:

Natural Resource Wales: 0300 065 3000

Fire Services: As above

Health and Safety Executive: 0345 300 9923

Ambulance Service/Fire and Rescue Service: 999

Appendix C

Permitted Waste

Permitted Waste Types

The following table lists the European Waste Catalogue (EWC) Codes for the types of wastes which shall be accepted on site.

EWC Code	Description
13 02 06*	Synthetic engine, gear and lubricating oil
13 07 01*	Fuel oil and diesel
13 07 02*	Petrol
16 01 03	End of Life Tyres
16 01 04*	End of Life vehicles
16 01 06	End of Life vehicles, containing neither liquids nor other hazardous components
16 01 07*	Oil filters
16 01 13*	Brake fluids
16 01 14*	Anti-freeze fluids containing hazardous substances
16 01 16	Tanks for liquefied gas
16 01 17	Ferrous Metal
16 01 18	Non-ferrous waste
16 02 19	Plastic
16 01 20	Glass
16 03 07*	Metallic mercury
16 06 01*	Lead batteries
16 06 02*	Ni-Dc batteries
16 06 03*	Mercury containing batteries
19 10 01	Iron and steel waste
19 10 02	Non-ferrous waste