



**Cyfoeth
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Wales

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

EV Recycling Ltd

EV Recycling

Unit 12

Llanelli Gate

Dafen

Llanelli

Carmarthenshire

SA14 8LQ

Permit number

EPR/BB3892CT

EV Recycling

Permit number EPR/BB3892CT

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This is a Tier 3 bespoke permit for a Lithium-ion battery recycling facility.

Treatment operations are limited to preparing the batteries for reuse, dismantling, mechanical crushing, size reduction and automatic/manual separation. Treatment operations shall be limited to “dry” processes only. There shall be no treatment operations involving pyro-metallurgical or hydrometallurgical processes.

All treatment is for the purpose of recovery only.

Permitted waste types include waste Lithium-ion batteries from electric vehicles. Hazardous waste shall not to be accepted on site, although a small amount may be removed from the waste as part of the treatment process.

All waste batteries must be stored either within shipping containers or inside a building. All separated fractions from the waste batteries must be stored in sealed containers, either within shipping containers or inside a building.

All treatment of waste must be carried out inside a building.

The maximum quantity of waste accepted and processed on site shall not exceed 500 tonnes per year.

This permit does not allow any point source emission into surface waters or groundwater except:

- clean, rainfall dependant drainage from areas of the site not used in connection with the storage and/or treatment of waste.

There are to be no emissions to surface and/or groundwater from the activities taking place on site.

All emissions from the activity which are not controlled via actual emission limits, are controlled through the ‘emission of substances not controlled by emission limits condition’ and any all relevant process requirements set out in Tables S1.1 and S1.2.

The burning of any wastes, either in the open, inside buildings or in any form of incinerator is not permitted.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application PAN-009187	Duly made 05/03/20	Application for Lithium-ion battery recycling facility
Application PAN-009187	16/03/20	Revised application documents

Status log of the permit		
Description	Date	Comments
Additional information received in response to Schedule 5 notice	26/08/20	Revised management plans including: <ul style="list-style-type: none"> - Opra spreadsheet (V2) - Fire prevention and mitigation plan (V11) - Environment management system (V10) - Process description (V6) - Drainage system documents (V1) - Application form Part B4 (V4) - Areas of natural and unmade ground - Hot works permit (V1) - Schedule 5 response (V2)
Additional information received in response to Schedule 5 notice	07/10/20	Revised management plans including: <ul style="list-style-type: none"> - Fire prevention and mitigation plan (V12) - Environment management system (V11) - Flapstopper user manual - Schedule 5 response (V3)
Additional information received in response to informal request for information	23/10/20	Revised management plans including: <ul style="list-style-type: none"> - Fire prevention and mitigation plan (V13) - Environment management system (V12)
Additional information received in response to informal request for information	06/11/20	Revised management plans including: <ul style="list-style-type: none"> - Fire prevention and mitigation plan (V14) - Environment management system (V12) - Process description (V5)
Additional information received in response to informal request for information	10/11/20	Revised management plans including: <ul style="list-style-type: none"> - Fire prevention and mitigation plan (V15) - Environment management system (V13)
Permit determined EPR/BB3892CT	11/11/20	Permit issued to EV Recycling Ltd

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BB3892CT

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

EV Recycling Ltd (“the operator”),

whose registered office is

Treharne Workshops Llanelli Gate

Dafen

Llanelli

Carmarthenshire

Wales

SA14 8LQ

company registration number **11769985**

to operate waste operations at

EV Recycling

Unit 12

Llanelli Gate

Dafen

Llanelli

Carmarthenshire

SA14 8LQ

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Huw Davies	11/11/2020

Authorised on behalf of Natural Resources Wales

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.

- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

2.3.2 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table S2.1; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.4 Technical requirements

Waste battery and accumulator treatment

2.4.1 Treatment of waste batteries and accumulators must meet the minimum requirements set out in Annex III, Part A of Directive 2006/66/EC of the European Parliament and of the Council on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC.

Hazardous waste storage and treatment

2.4.2 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.5 Pre-operational conditions

2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

3 Emissions and monitoring

3.1 Emissions of substances not controlled by emission limits

3.1.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.1.2 The operator shall:

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.1.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.2 Odour

- 3.2.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.2.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.3 Noise and vibration

- 3.3.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.3.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.4 Fire

- 3.4.1 The operator shall manage and operate the activities in accordance with a written fire prevention plan using the current, relevant fire prevention and mitigation plan guidance.
- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities could cause a fire risk, submit to Natural Resources Wales a fire prevention and mitigation plan which identifies and minimises the risks of fire;
 - (b) Operate the activity in accordance with the fire prevention and mitigation plan, from the date of submission, unless otherwise agreed in writing by Natural Resources Wales.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and

- (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.

4.2.2 Within one month of the end of each quarter, the operator shall submit to Natural Resources Wales using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 Natural Resources Wales shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) Natural Resources Wales shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “without delay”, in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities

Activity reference	Description of activities for waste operations	Limits of activities
A1 – Lithium-ion battery recycling facility	<p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R4: Recycling/ reclamation of metals and metal compounds</p>	<p>All hazardous and non-hazardous waste must be stored on impermeable surface with sealed drainage, either inside a secure container or inside a building.</p> <p>All hazardous and non-hazardous waste must be treated inside a building with impermeable surface with sealed drainage.</p> <p>All separated fractions from the waste batteries must be stored in sealed containers, either within secure containers or inside a building.</p> <p>Treatment operations shall be limited to manual and/or mechanical:</p> <ul style="list-style-type: none"> - preparing for reuse - dismantling - sorting and/or separation - cutting - crushing - bulking up for onwards transfer <p>of permitted waste for the purpose of recovery.</p> <p>Treatment operations shall be limited to “dry” processes. There shall be no treatment operations involving pyro-metallurgical or hydrometallurgical processes.</p> <p>There shall be no treatment of hazardous waste other than bulking up for onward transfer.</p> <p>Waste types as specified in Table S2.1.</p>

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Environmental risk assessment (Version 5) - All sections	16/03/20
Response to Schedule 5 Notice dated 27/07/20	Process description (V5) - All sections	06/11/20
Response to Schedule 5 Notice dated 27/07/20 and informal requests dated 16/09/20 and 21/10/20	Fire prevention and mitigation plan (V15) - All sections	10/11/20

Table S1.2 Operating techniques

Description	Parts	Date Received
	Environment management system (V13) including the following sections: <ul style="list-style-type: none"> - 2.1.2 Storage quantities, area sizes, site entrances, exits and recycling & storage areas - 2.1.3 Drainage plan - 2.3 List of substances and storage facilities - 2.4 Accident/ incident prevention and mitigation - 3. Maintenance checklist - 5.1 Spill response procedure - 5.5 Pre-acceptance procedure - 5.6 Acceptance procedure - 5.6.1 Unexpected waste - 5.6.2 Hot loads - 5.7 Waste storage procedure - 5.8 Catch trays - 5.9 Treatment procedure - 5.11 End of waste procedure - 5.12 Flapstopper procedure 	10/11/20
Technical Guidance Document: 'How to comply with your environmental permit'	All relevant sections	N/A
Sector Guidance Note IPPC S5.06: Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste	All relevant sections	N/A
Fire prevention and mitigation plan guidance - Waste	All relevant sections	N/A

Table S1.3 Pre-operational measures	
Reference	Pre-operational measures
PO1	Completion of the perimeter wall, as detailed in section 3.2 (Drainage plan) of the Fire Prevention and Mitigation plan, as included in Table S1.2, for inspection and approval by an authorised officer of Natural Resources Wales.
PO2	Completion of the drainage system including the “flapstopper” as detailed in section 3.2 (Drainage plan) of the Fire Prevention and Mitigation plan, as included in Table S1.2, for inspection and approval by an authorised officer of Natural Resources Wales.

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for Lithium-ion battery recycling facility	
Maximum quantity	The maximum quantity for waste to be accepted on site shall not exceed 500 tonnes per year.
Exclusions	Notwithstanding the waste types set out in this table, wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> delivered to the site in unmarked, sealed drums hazardous waste
Waste code	Description
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 06	batteries and accumulators
16 06 05	other batteries and accumulators (consisting of Lithium-ion batteries from electric vehicles only)
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 34	batteries and accumulators other than those mentioned in 20 01 33 (consisting of Lithium-ion batteries from electric vehicles only)

Schedule 3 – Emissions and monitoring

There are no emission limits or associated monitoring requirements.

Schedule 4 - Reporting

There is no reporting under this schedule.

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

“accident” means an accident that may result in pollution.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by Natural Resources Wales under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“emissions to land” includes emissions to groundwater.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“hazardous waste” has the meaning given in the Hazardous Waste (Wales) Regulations 2005 (as amended).

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the surface.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or *“WFD”* means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



END OF PERMIT