



# Permit with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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European Metal Recycling Limited  
Unit 2-10 Duddeston Mill Trading Estate  
Duddeston Mill Road  
Saltley  
Birmingham  
West Midlands  
B8 1AP

### **Permit number**

EPR/JB3509MS

# Unit 2-10 Duddeston Mill Trading Estate

## Permit number EPR/JB3509MS

### 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 bespoke permit for an Electric Vehicle (EV) battery recycling, a small scale waste management facility (SSWMF), with a small amount of hazardous and non-hazardous waste to be stored and transferred. No more than 2,000 tonnes of waste to be accepted per annum.

The main components of the site shall be the SSWMF unit will be assessing how best to treat metals, and vehicle components and other wastes, and a pilot EV battery recycling facility.

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 EA/EPR/JB3509MS/A001	Duly made 11/07/2023	Application for bespoke waste activity.
Additional information received	31/08/2023	Schedule 5 - response.
Additional information received	31/10/2023	Schedule 5 - 2nd response.
Additional H1 information received	12/12/2023	Air quality assessment and modelling.
Permit determined EPR/JB3509MS	09/01/2024	Permit issued to European Metal Recycling Limited.

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/JB3509MS**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**European Metal Recycling Limited** ("the operator"),

whose registered office is

**Sirius House  
Delta Crescent  
Westbrook  
Warrington  
Cheshire  
WA5 7NS**

company registration number 02954623

to operate waste operations at

**Unit 2-10 Duddeston Mill Trading Estate  
Duddeston Mill Road  
Saltley  
Birmingham  
West Midlands  
B8 1AP**

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

Name	Date
James Lidgett	09/01/2024

Authorised on behalf of the Environment Agency

# 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 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 the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency 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 the Environment Agency.

2.3.3 Waste shall only be accepted if:

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

## **2.4 Improvement programme**

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **2.5 Pre-operational conditions**

2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

## **2.6 Technical requirements**

### **Hazardous waste storage and treatment**

2.6.1 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.

### **Vehicle depollution and dismantling**

2.6.2 As a minimum, all waste motor vehicles shall be treated to the standards specified in table S1.5.

### **WEEE storage and treatment**

2.6.3 Spillage collection facilities and, where appropriate, decanters and cleanser-degreasers shall be provided and used as necessary.

2.6.4 WEEE (disassembled spare parts, components and residues) shall be stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate.

### **Waste battery treatment**

2.6.5 Treatment of batteries shall, as a minimum, include removal of all fluids and acids.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

## **3.2 Emissions of substances not controlled by emission limits**

3.2.1 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.

3.2.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency 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 the Environment Agency.

3.2.3 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.

## **3.3 Odour**

3.3.1 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 the Environment Agency, 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.

3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency 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 the Environment Agency.

## **3.4 Noise and vibration**

3.4.1 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 the Environment Agency, 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.

3.4.2 Emissions from the shredder shall be free from sudden noise or vibration at levels likely to cause pollution outside the site, 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 sudden noise and vibration.

3.4.3 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency 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 the Environment Agency.

## **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1, S3.2,
  - (b) process monitoring specified in table S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 unless otherwise agreed in writing by the Environment Agency.

## **3.6 Pests**

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
  - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.7 Fire prevention**

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

# **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 the Environment Agency, 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 the Environment Agency.

## 4.2 Reporting

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

4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency 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.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

## 4.3 Notifications

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

4.3.4 The Environment Agency 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) the Environment Agency 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

<b>Table S1.1 Limits of activities</b>	
<p>No more than 2,000 tonnes of waste to be accepted per annum.</p> <p>Temporary storage shall not exceed 25 tonnes of EV batteries, 25 tonnes of battery units, 31 tonnes of scrap metal, 5 tonnes of plastic and rubber, and 5 end of life vehicles (ELVs) at any one time.</p> <p>The total quantity of hazardous waste accepted and treated shall not exceed 10 tonnes per day.</p> <p>Except for ELVs awaiting depollution and manual dismantling or WEEE awaiting manual dismantling, repair, or refurbishment only the maximum quantity of hazardous waste that can be stored at the site shall not exceed 13 tonnes at any one time.</p> <p>Except for manual sorting and manual dismantling of WEEE, no more than 10 tonnes per day of hazardous waste to be treated at the site under an R3 and R4 activity.</p> <p>The only treatment of WEEE, 16 02 16, will be the stripping or dismantling of cable or small electric motors by hand to allow analysis of the composition to be undertaken.</p> <p>Storage, quantity and maximum time stored as per Fire Prevention Plan v4, October 2023 for combustible wastes, non-combustible wastes shall be stored no longer than 6 months prior to disposal and 6 months prior to recovery.</p> <p>Storage of all residual wastes must be in-line with suitable appropriate measures (i.e. Table S1.2).</p> <p>Storage of liquid electrolyte to be in sealed containers within bunded areas.</p>	
<b>Description of activities for waste operations</b>	<b>Limits of activities</b>
<b>SSWPF Non-hazardous and Hazardous Waste Recovery and Disposal</b>	
R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Physical treatment including sorting, separating, grading, screening, shearing, cutting, shredding, granulation, crushing, compacting, baling and the use of a ball mill for size reduction of non-hazardous wastes to recover scrap metal, plastic and rubber or other materials for recovery or disposal.
R4: Recycling/reclamation of metals and metal compounds	Physical treatment including sorting and separation of hazardous fragmentiser waste to recover metals.
R5 Recycling/reclamation of other inorganic material	No more than 24 tonnes shall be treated per day.
R13: storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it was produced)	Storage of wastes generated on site for recycling, and storage of electrolyte and any other residual wastes for disposal.
D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced; storage of electrolyte and any other residual wastes for disposal)	Construction and demolition wastes, including plastics and glass, and waste types as specified in Table S2.1 shall only be accepted for the purpose of investigation only, such as to further divide these materials to increase the value of the outputs by recovering purer recycle streams, with disposal where necessary.
	Before being accepted on site, each EWC code shall be subject to a written trial protocol and risk assessment to ensure the waste chosen and treatment is appropriate for the intended use of the site.
	Waste types as specified in Table S2.1.

<b>Table S1.1 Limits of activities</b>	
<b>Storage of Hazardous and Non-Hazardous Waste without Treatment</b>	
R13 storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it was produced)	Waste types as specified in Table S2.2.
<b>Electric Vehicle Dismantling</b>	
R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Draining of coolant and removal of battery from electric vehicle.  Waste Types as specified in Table S2.3.
R4: Recycling/reclamation of metals and metal compounds	
<b>Lithium Battery Recycling and Disposal</b>	
R2: reclamation of solvents	Physical treatment including disassembly, sorting, shredding screening of lithium batteries to recover metals and plastics.
R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Evaporation and condensation to recover solvent.
R4: Recycling/reclamation of metals and metal compounds	No more than 5 vehicles to be stored for electric battery removal.  No more than 4 tonnes per day of lithium ion battery dismantling.
R13: storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it was produced)	No more than 4 tonnes per day of lithium ion treatment, i.e. shredding.  No battery acid is permitted to be accepted to site.
D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced; storage of electrolyte and any other residual wastes for disposal)	Storage of wastes generated on site for recycling, and storage of electrolyte and any other residual wastes for disposal.  Storage of residual black mass must be within suitable containers and stored in the dedicated location in accordance with Fire Prevention Plan v4, October 2023.
	Li based batteries shall be stored to prevent them from: <ul style="list-style-type: none"> <li>• coming into contact with any liquids;</li> <li>• being damaged; and</li> <li>• being exposed to high temperatures.</li> </ul>
	Waste types as specified in Table S2.4.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Air Quality Assessment v1, December 2023	12/12/2023
Application	Fire Prevention Plan v4, October 2023	31/10/2023
Application	Operating Techniques v1.3, October 2023	31/10/2023
Application	Dust Management Plan v1.2, October 2023	31/10/2023
Application	Non-Technical Summary v1.2, October 2023	31/10/2023
Application	31/10/2023 Sched 5 second response, AC/ST19256/0002 and attachments	31/10/2023
Application	EMR Schedule 5 response, AC/ST19256/LET004, and attachments	31/08/2023
Application	EMR Duly Making 2 response, AC/ST19256./LET-003, and attachments	22/06/2023
Application	EMR Duly Making response, AC/ST19256/LET-001, and attachments	17/05/2023
End of life vehicles (ELVs): appropriate measures for permitted facilities	<u>End of life vehicles (ELVs): appropriate measures for permitted facilities - Guidance - GOV.UK (<a href="http://www.gov.uk">www.gov.uk</a>)</u> guidance to be met to store and treat end of life vehicles or components.	Updated: 19/11/2023
Treating metal waste in shredders: appropriate measures for permitted facilities	<u>Treating metal waste in shredders: appropriate measures for permitted facilities - Guidance - GOV.UK (<a href="http://www.gov.uk">www.gov.uk</a>):</u> Guidance to be met for shredding of batteries and Section 4.4 appropriate measures for the storage of batteries. Furthermore operated in line with the appropriate measure emission limit standards.	Updated: 20/10/2021
Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities	<u>Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities - Guidance - GOV.UK (<a href="http://www.gov.uk">www.gov.uk</a>):</u> guidance to be met for WEEE treatment, storage and transfer. Furthermore operated in line with the appropriate measure emission limit standards.	Updated: 13/07/2022
Chemical waste: appropriate measures for permitted facilities	Where the waste chemical components, materials or residues from waste batteries (for example, black mass, electrolyte) are stored or treated the standards set in this guidance to be met. Furthermore operated in line with the appropriate measure emission limit standards.	Updated: 18/11/2020
Non-hazardous and inert waste: appropriate measures for permitted facilities	Non-hazardous and inert waste: appropriate measures for permitted facilities adopting measures where relevant for operation: <a href="https://www.gov.uk/guidance/non-hazardous-and-inert-waste-appropriate-measures-for-permitted-facilities">https://www.gov.uk/guidance/non-hazardous-and-inert-waste-appropriate-measures-for-permitted-facilities</a>	Updated: 1 August 2023

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IR1	The Operator shall submit a written report to the Environment Agency for technical assessment and approval. The report must contain: • Results of monitoring from the emission point (DMRE Per 21/12/2023) of the parameters assessed within the H1 submitted with the application and	3 months from date of commencement of operations or otherwise agreed with the

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	<p>any other parameters to verify the assumptions made within the H1. The results shall be taken from a minimum of three rounds of monitoring.</p> <ul style="list-style-type: none"> <li>• A revised H1 using the results of the monitoring where the actual emissions are higher than those in the original H1.</li> <li>• Detailed air dispersion modelling where the emissions do not screen out within the revised H1.</li> <li>• Measures to be taken to reduce or abate emissions where detailed modelling does not screen out emissions.</li> <li>• The Operator shall implement any improvement measures and applicable limits identified within the report in line with a timetable agreed in writing with the Environment Agency.</li> </ul>	Environment Agency

<b>Table S1.4 Pre-operational measures</b>		
<b>Reference</b>	<b>Pre-operational measures</b>	
PO1	<p>Prior to use of the battery shredding and processing plant(s) the operator shall submit a commissioning plan/report for approval by the Environment Agency.</p> <p>The commissioning plan/report must include the following:</p> <ul style="list-style-type: none"> <li>• Details of the proposed commissioning procedures and timescales associated with the activities and inert nitrogen abatement/control system.</li> <li>• Confirmation and details of monitoring systems, audits and emergency procedures are in place on site so as to ensure both activities and abatement/control system are fully operational and working as designed.</li> <li>• Propose/agree monitoring programme to fully characterise and confirm emissions from the treatment processes (to air), to provide emissions inventory.</li> </ul>	
PO2	<p>The Operator shall submit to the Environment Agency evidence that the automatic fire detection and suppression system has been installed and is operational in the waste processing building, including a copy of the third-party certificate of compliance, as per Fire Prevention Plan v4, October 2023 which states: 'The design, installation and maintenance of the detection systems will be covered by a UKAS-accredited third-party certification scheme'.</p>	

## Schedule 2 – Waste types

<b>Table S2.1 Permitted waste types for SSWPF Non-hazardous and Hazardous Waste Recovery and Disposal</b>	
<b>12</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
<b>12 01</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	Ferrous metal filings and turnings
12 01 03	Non-ferrous metal filings and turnings
12 01 05	Plastics shavings and turnings
12 01 15	Machining sludges other than those mentioned in 12 01 14
12 01 17	Waste blasting material other than those mentioned in 12 01 16
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>
15 01 04	Metallic packaging
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 01</b>	<b>End of life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance</b>
16 01 17	Ferrous metal
16 01 18	Non-ferrous metal
16 01 19	Plastic
16 01 20	glass
16 01 22	Components not otherwise specified
<b>16 02</b>	<b>Wastes from electrical and electronic equipment</b>
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
<b>16 03</b>	<b>Off-specification batches and unused products</b>
16 03 03*	inorganic wastes containing hazardous substances <i>associated wastes of dry cell battery material only</i>

<b>Table S2.1 Permitted waste types for SSWPF Non-hazardous and Hazardous Waste Recovery and Disposal</b>	
16 03 04	Inorganic wastes other than those mentioned in 16 03 03
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 02</b>	<b>Wood Glass and Plastic</b>
17 02 02	Glass
17 02 03	Plastic
<b>17 04</b>	<b>Metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 10*	Cables containing oil, coal tar and other hazardous substances
17 04 11	Cables other than those mentioned in 17 04 10
<b>17 09</b>	<b>Other construction and demolition waste</b>
17 09 04	mixed construction and demolition wastes, other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 01</b>	<b>Wastes from incineration and pyrolysis of waste</b>
19 01 02	Ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
<b>19 10</b>	<b>Wastes from shredding of metal-containing wastes</b>
19 10 01	Iron and steel waste
19 10 02	Non-ferrous waste

<b>Table S2.1 Permitted waste types for SSWPF Non-hazardous and Hazardous Waste Recovery and Disposal</b>	
19 10 03 *	fluff-light fraction and dust containing hazardous substances
19 10 04	Fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 05*	other fractions containing hazardous substances
19 10 06	Other fractions other than those mentioned 19 10 05
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specialised</b>
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
19 12 04	Plastic and rubber
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 02	Glass
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 39	Plastics
20 01 40	Metals

<b>Table S2.2 Permitted waste types for Storage of Hazardous and Non-Hazardous Waste without Treatment</b>	
<b>06</b>	<b>Wastes from inorganic chemical processes</b>
<b>06 03</b>	<b>wastes from the MFSU of salts and their solutions and metallic oxides</b>
06 03 13*	Solid salts and solutions containing heavy metals
06 03 14	Solid salts and solutions other than those mentioned in 16 03 11 and 16 03 12
06 03 15*	Metallic oxides containing heavy metals
06 03 16	Metallic oxides other than those mentioned in 06 03 15
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 03</b>	<b>off-specification batches and unused products</b>
16 03 03*	Inorganic wastes containing dangerous substances <i>associated wastes of dry cell battery material only</i>
<b>16 06</b>	<b>Batteries and accumulators</b>
16 06 06*	Separately collected electrolyte from batteries and accumulators <i>solvents from lithium batteries only accepted for storage</i>

<b>Table S2.3 Permitted waste type for Electric Vehicle Dismantling</b>	
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 01</b>	<b>End of life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance</b>
16 01 04*	End of life vehicles (electric vehicles only)

<b>Table S2.4 Permitted waste type for Lithium Battery Recycling and Disposal</b>	
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 06</b>	<b>Batteries and Accumulators</b>
16 06 05	Other batteries and accumulators (lithium ion batteries)

## Schedule 3 – Emissions and monitoring

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Exhaust Point 3 Unit 9 Emission points as shown on drawing: DMRE Per 21/12/2023	Bag filter to control dust from sorting and size reduction.	Total Particulate Matter (Dust)	5mg/m <sup>3</sup>	Average value of 3 consecutive measurements of at least 30 minutes each	Quarterly, dropping to 6 monthly after first 12 months with EA agreement	BS EN 13284-1

Note 1: certification to the MCERTS performance standards indicates compliance with BS EN 15267-3

## Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Point source emissions to air Parameters as required by condition 3.5.1	Emission point as shown on drawing: DMRE Per 21/12/2023	Every 6 months or as agreed in line with IR1	1 January, 1 July

<b>Table S4.2 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

## 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	

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

“Annex I” means Annex I to the Waste Framework Directive.

“Annex II” means Annex II to the Waste Framework Directive.

“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 the Environment Agency 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.

“D” means a disposal operation provided for in Annex I to the Waste Framework Directive.

“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 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 waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means birds, vermin and insects.

“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 the Waste Framework Directive.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes 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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

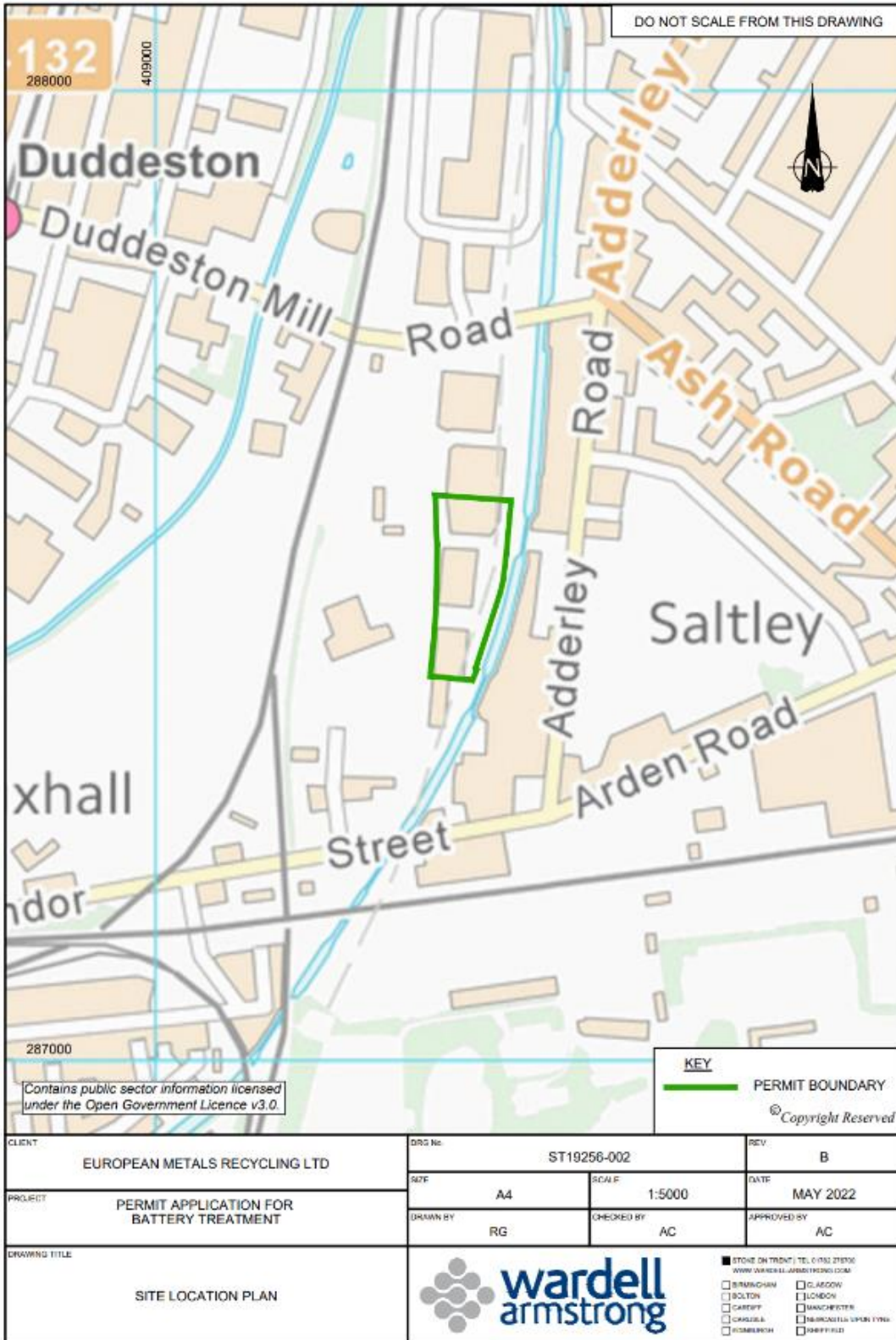
“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table S2.1 and table S2.2, for those tables, they have the meaning given below:

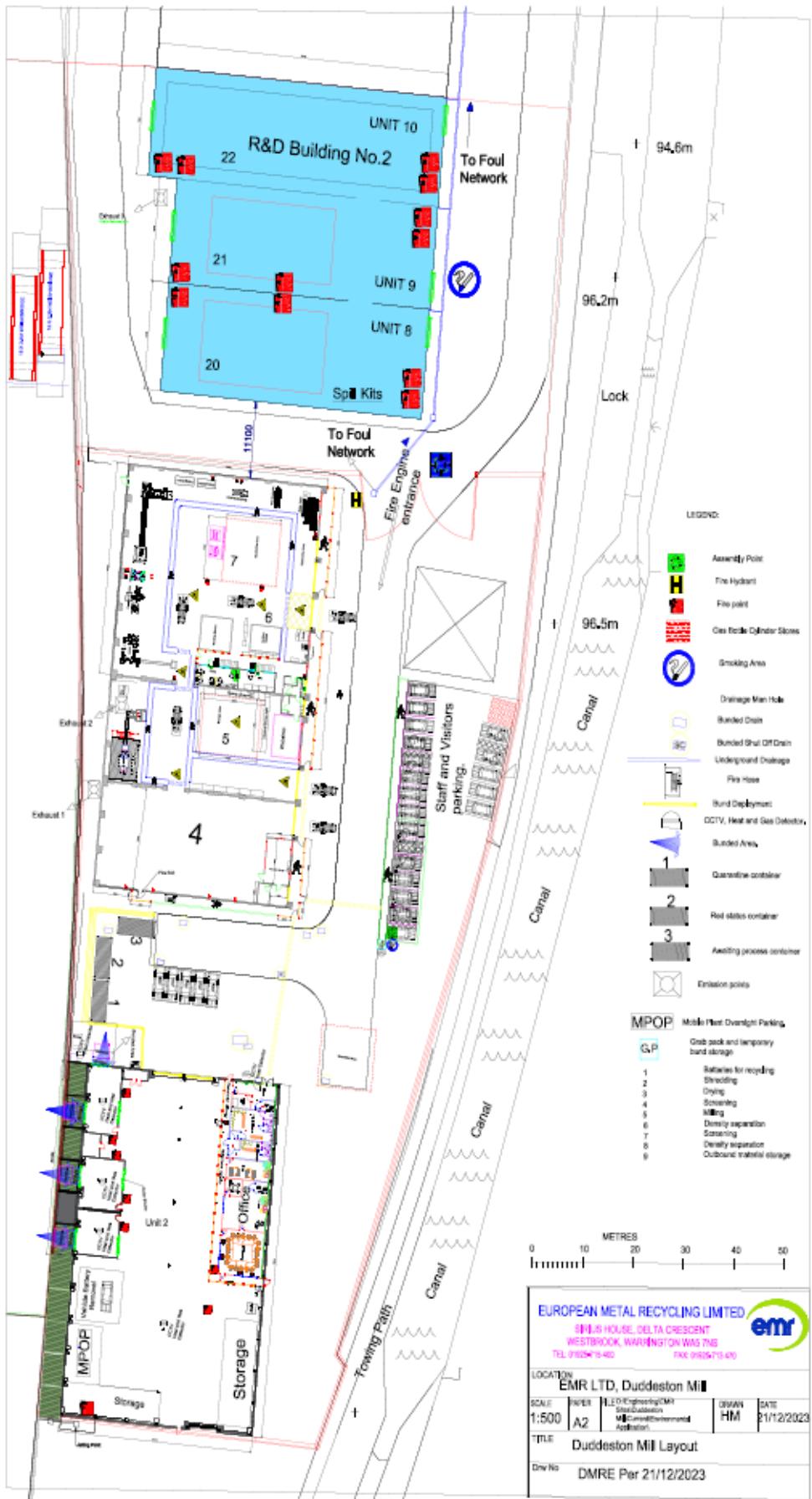
“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“heavy metal” means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

# Schedule 7 – Site plan



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END OF PERMIT

Permit number  
EPR/JB3509MS

**Emissions to Air Reporting Form:  
version 1, 08/03/2021**

**Permit number:** [EPR/AB1234CB]

**Operator:** [A Company Name Limited]

**Facility name:** [Unit A, Anytown]

Reporting of emissions to air for the period from [DD/MM/YY] to [DD/MM/YY]

<b>Emission point</b>	<b>Substance / parameter</b>	<b>Emission Limit Value</b>	<b>Reference period</b>	<b>Test method <sup>1</sup></b>	<b>Result <sup>2</sup></b>	<b>Sample dates and times <sup>3</sup></b>	<b>Uncertainty <sup>4</sup></b>
<i>[e.g. A1]</i>	<i>[e.g. Oxides of nitrogen (NO and NO<sub>2</sub> expressed as NO<sub>2</sub>)]</i>	<i>[e.g. 200 mg/m<sup>3</sup>]</i>	<i>[e.g. daily average]</i>	<i>[e.g. BS EN 14181]</i>	<i>[State result]</i>	<i>[State relevant dates and time periods]</i>	<i>[State uncertainty if not 95% confidence interval]</i>

**Signed:** [Name]

**Date:** [DD/MM/YY]

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results. Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.