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Wales

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Prysmian Cables & Systems Limited

**Oak Road
Wrexham Industrial Estate
Wrexham
LL13 9PH**

Permit number

EPR/YP3732LZ

Prysmian Cables & Systems Limited

Permit number EPR/YP3732LZ

Introductory note

This introductory note does not form a part of the permit

The process consists of melting lead alloy, which is then extruded to form a protective sheath around underground electricity supply cables. The process is not operated on a continuous basis, but is run on demand, as it caters for a specialist market.

Lead alloy ingots are delivered in bulk then melted within a vessel. The other material used is "PF4", a bitumen and white spirit mix, with which the cables are coated to prevent "cold welding", i.e. fusion of cable during its storage. The white spirit evaporates, leaving the cable coated with bitumen.

Fumes from the lead melting pots are extracted and released abated from the process and discharged into the local atmosphere outside the process building (release point A2). There are no direct releases from the installation into controlled waters. Used cooling water passess through the site drains to a settlement lagoon, from which solids are removed periodically by tanker and clear water drained into the River Clywedog. The majority of wastes from the process are sent for recovery, with rags and empty PF4 drums currently treated as part of hazardous waste disposal.

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 BM4848 received	21/12/2001	
Request for further information issued	25/07/2002	Response received on 16/09/2002
Supplementary information provided	26/11/2002	
Application BM4848 determined - permit issued	14/03/2003	
Transfer application YP3732LZ determined - permit issued	20/06/2006	Transfer from Pirelli Cables Limited to Prysmian Cables & Systems Limited
Variation application DP3338MY received	06/11/2006	
Supplementary information provided	07/11/2006	
Supplementary information provided	09/11/2006	
Supplementary information provided	13/11/2006	
Supplementary information provided	15/11/2006	

Status log of the permit

Description	Date	Comments
Variation application DP3338MY determined - variation notice issued	22/11/2006	Relocation of pots and lead storage, removal of solvent bath and installation of bag filter to A1
Regulation 60(1) Notice of request for information	27/07/16	
Regulation 60(1) response received	26/10/16	Implementation of BAT conclusions under IED
Natural Resources Wales Non- Ferrous Metals Sector Review 2016 Permit EPR/YP3732LZ Variation issued EPR/YP3732LZ/V003	01/06/17	Varied and consolidated permit issued in modern IED condition format.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/YP3732LZ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/YP3732LZ/V003 authorising,

Prysmian Cables & Systems Limited ("the operator"),
whose registered office is

**Chickenhall Lane
Eastleigh
Hampshire
SO50 6YU**

company registration number **0958507**
to operate a regulated facility at

**Oak Road
Wrexham Industrial Estate
Wrexham
LL13 9PH**

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

Signed

Date

	1 June 2017
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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.

1.2 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 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.
- 1.4.2 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 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
 - (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

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

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 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination

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 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.
- 3.2.3 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 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.
- 3.3.2 The operator shall:

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to 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.

3.4 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 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.
- 3.4.2 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.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1 and S3.2
- 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 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 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 and S3.2 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 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by Natural Resources Wales, 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 S4.4 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to Natural Resources Wales, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
- (i) inform Natural Resources Wales,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) in the event of a breach of any permit condition the operator must immediately—

- (i) inform Natural Resources Wales, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 where the information relates to the breach of a limit specified in the permit, 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.
- 4.3.6 Natural Resources Wales shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, Natural Resources Wales shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

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 “immediately”, in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	S2.2 A(1) (b) - Melting, including making alloys, of non-ferrous metals, including recovered products (such as refining or foundry casting) where - (i) the plant has a melting capacity of more than 4 tonnes per day for lead or cadmium or 20 tonnes per day for all other metals; and (ii) any furnace (other than a vacuum furnace), bath or other holding vessel used in the plant for the melting has a design holding capacity of 5 or more tonnes.	Melting of lead, where the melting capacity of the plant exceeds four tonnes per day	Receipt of raw materials, feed preparation melting of lead, and extrusion to form cable sheaths
Directly Associated Activity			
A2	Directly Associated Activity - Waste handling and storage	Storage of process wastes ready for disposal	Within the boundary of the installation

Table S1.2 Operating techniques

Description	Parts	Date Received
<u>Management techniques and control</u>		
Application	The response to question 2.1, given in section 3 of the application	21/12/2001
Response to Schedule 4 Part 1 Notice	Responses to questions 1 to 6	16/09/2002
Application for variation	Section 4.1 of Report WXMLM2006	06/11/2006
<u>Raw materials (including water)</u>		
Application	The response to question 2.2 given in section 4 of the application	21/12/2001
Response to Schedule 4 Part 1 Notice	Response to questions 7 to 12	16/09/2002
Supplementary information	Points relating to questions 9 and 12	26/11/2002
Application for variation	Sections 3.1, 4.2, 4.11.2 and Appendix 1 of Report WXMLM2006	06/11/2006
Supplementary information	Section 3.1.3.2 of the amended page 5 of Report WXMLM2006	13/11/2006
<u>Operating techniques</u>		
Application	The response to questions 2.3 given in section 5 of the application	21/12/2001
Response to Schedule 4 Part 1 Notice	Response to questions 13 to 21	16/09/2002
Supplementary information	Points relating to questions 16, 18, 20 and 21	26/11/2002
Application for variation	Sections 3 and 4.4 of Report WXMLM2006	06/11/2006
Supplementary information	Amended Figure 2 of Report WXMLM2006	09/11/2006

Table S1.2 Operating techniques

Description	Parts	Date Received
Supplementary information	Amended page 5 and Figure 3 of Report WXMLM2006	13/11/2006
Supplementary information	All	15/11/2006
<u>Groundwater protection</u>		
Application	The response to questions 2.4 and described in section 5.19 and pages 51 to 53 of the application	21/12/2001
Application for variation	Section 5.3 and 4.11.2 of Report WXMLM2006	06/11/2006
<u>Waste handling and storage</u>		
Application	The response to question 2.5, given in section 5.12.1, 5.14.3 and 7.1 of the application	21/12/2001
Response to Schedule 4 Part 1 Notice	Response to questions 22, 23 and 24	16/09/2002
Application for variation	Sections 3.2 and 4.6 of Report WXMLM2006	06/11/2006
<u>Waste recovery and disposal</u>		
Application	The response to question 2.6 given in section 4.3 and described in section 7.1, 7.3, 7.4 and 7.5 of the application	21/12/2001
Response to Schedule 4 Notice	Response to questions 24 and 25	16/09/2002
Application for variation	Sections 3.2 and 4.6 of Report WXMLM2006	06/11/2006
<u>Energy efficiency</u>		
Application	The response to question 2.7 given in Section 8 of the application	21/12/2001
Response to Schedule 4 Part 1 Notice	Response to question 26	16/09/2002
Application for variation	Section 4.7 of Report WXMLM2006	06/11/2006
<u>Noise and vibration</u>		
Application	Response to question 2.9 given in Section 10 of the application	21/12/2001
Application for variation	Section 4.9 of Report WXMLM2006	06/11/2006
<u>Monitoring</u>		
Application	The response to question 2.10 given in section 11 of the application	21/12/2001
Response to Schedule 4 Part 1 Notice	Response to question 29	16/09/2002
Application for variation	Section 4.10 and Figure 5 of Report WXMLM2006	06/11/2006
Supplementary information	Amended Figure 2 of Report WXMLM2006	09/11/2006
Supplementary information	Amended Figures 3 and 4 of Report WXMLM2006	13/11/2006
<u>Decommissioning</u>		
Application	The response to question 2.11 given in section 12 of the application	21/12/2001
Application for variation	Section 4.11 of Report WXMLM2006	06/11/2006

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
9.1	The Operator shall provide a report confirming the containment, bunding, and bund inspection and emptying arrangements for all List I and List II substances within the installation	Complete

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
9.2	The Operator shall submit a report describing typical effluent arisings from the permitted installation and identifying how they would comply, or otherwise, with concentration limits in the site's Water Resources Act 1991 Discharge Consent. The report shall also include an assessment of how lead releases in the cooling water might be reduced further	Complete
9.3	The Operator shall submit a report summarising the techniques used to prevent spills of sodium hypochlorite and to recover from any spills that actually take place	Complete
9.4	The Operator shall submit a timetable for phasing out the use of trichloroethylene in the process	Complete
9.5	The Operator shall provide a report detailing optimum ventilation arrangements for the installation (including flow rates, damper and fan settings) for the lead pots and tool cleaning cabinets during (1) lead melting, (2) tool cleaning, and (3) plant standby	Complete
9.6	The Operator shall provide a detailed emergency plan for the Installation	Complete
9.7	The Operator shall provide a detailed accident prevention plan for the Installation	Complete
9.8	The Operator shall carry out appropriate tests to determine the maximum instantaneous VOC releases from the Installation	Complete
9.9	The Operator shall submit a report, describing the methods and monitoring standards being used for determining releases to air and sewer of lead, particulate matter, VOCs and COD, and comparing these with methods recommended in the latest Agency published guidance. If the recommended methods are not being used, the report shall include a timetable for adopting the recommended methods no later than 30 September 2004	Complete
9.10	The Operator shall assess the benefits and detriments of installing abatement for releases to air (such as HEPA filtration), and shall report findings to the Agency. If one of the abatement techniques represents BAT, the report shall include a timetable for adopting the recommended methods no later than 31 October 2004	Complete
9.11	Before using any replacement for trichloroethylene, the Operator shall submit a report justifying use of the replacement and quantifying its likely releases to the environment	Complete
9.12	The Operator shall carry out duplicate monitoring of emissions of lead, particulate and VOC from emission point A2 as described in section 4.10 of the application for a variation and shall forward a report to the Agency detailing the monitoring and results to the Agency for approval	Complete
9.13	The Operator shall carry out monitoring to determine the level of fugitive lead released from the process and shall forward a report to the Agency detailing the monitoring and results to the Agency for approval	Complete
9.14	The Operator shall write and implement maintenance schedules for the abatement equipment on emission point A2 and shall forward a report of these to the Agency for approval	Complete
9.15	The Operator shall write and implement operation procedures for the abatement equipment on emission point A2 and shall forward a report of these to the Agency for approval	Complete

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	<p>The operator shall submit to Natural resources Wales a report detailing the results of the following:</p> <ol style="list-style-type: none">1. For all discharges to surface waters from the site, you must provide emissions data for the following hazardous pollutants: cadmium, mercury, nickel, lead, benzene, polyaromatic hydrocarbons and any other relevant substances. The emissions monitoring for these substances should be carried out using the methods and standards described in the M18 guidance on "Monitoring of discharges to water and sewer".2. With reference to the risk assessment guidance on the gov.uk website entitled "Surface water pollution risk assessment for your environmental permit" (accessible via this link: https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit), carry out the following assessments:<ul style="list-style-type: none">• Screening tests for mercury, cadmium, nickel, lead, benzene, polyaromatic hydrocarbons and any other relevant priority hazardous substances.• For any substance which is not screened out by the screening tests you will need to carry out modelling, as described in the risk assessment guidance "Surface water pollution risk assessment for your environmental permit". <p>You must provide Natural Resources Wales with the results from the emissions monitoring, the results from the screening tests and the results from any modelling.</p> <p>You can use the H1 electronic screening tool to present the emissions data and to carry out the screening tests. We will provide a copy of the tool to your local representative at the site address.</p> <p>With regard to the screening for priority hazardous pollutants, a full list of relevant substances is provided on the "Surface water pollution risk assessment for your environmental permit" pages of the gov.uk website. You should review the list and carry out the screening for any substances, in addition to those specified in this letter, that you think may be present in your discharges to surface water.</p>	01 December 2017

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
None set	None set

Schedule 3b – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A2 Vent, 4m above ridge height of main building housing the lead melting activity. Abated discharge to atmosphere. Identified as the Vent Stack on Figure 3 of the supplementary information received 13 November 2006. Layout as shown in Figure 4 of the supplementary information received 13 November 2006.	Extraction hood from Lead melting pots and extraction from tool cleaning area cabinet	Particulate matter	1 mg/m ³	-	Annual	BS EN 13284-1
		Lead ¹	0.1 mg/m ³		Annual	BS EN 14385
		Volatile Organic Compounds	20 mg/m ³		Annual	BS CEN/TS 13649

Note 1: Lead includes gaseous, vapour and solid phases as well as its compounds (expressed as the metal).

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 - Receiving sewer is site drain leading to the site lagoon	Once-through, sheath cooling water, from collection trough	Lead	1 mg/l	-	Annually	BS 6068-2.29
		Chemical Oxygen Demand	125 mg/l	-	Annually	BS 6068-2.34

Table S3.3 Annual limits

Substance	Medium	Limit (including unit)
None set	None set	None set

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Lead	A2	Every 12 months	1 January 2007
Particulate matter	A2	Every 12 months	1 January 2007
VOCs	A2	Every 12 months	1 January 2007
Lead	S1	Every 12 months	1 April 2003
Chemical Oxygen Demand	S1	Every 12 months	1 April 2003
Flow rate	S1	Every 12 months	1 April 2003

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	A2	22/11/2006
Sewer	S1	14/03/2003
Energy	E1	28/01/2003
Waste Return	R1	28/01/2003

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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified within 24 hours	
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 permit condition	
To be notified within 24 hours	
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

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(c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:

To be notified within 24 hours

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.

“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.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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..

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

“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

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

“year” means calendar year ending 31 December.

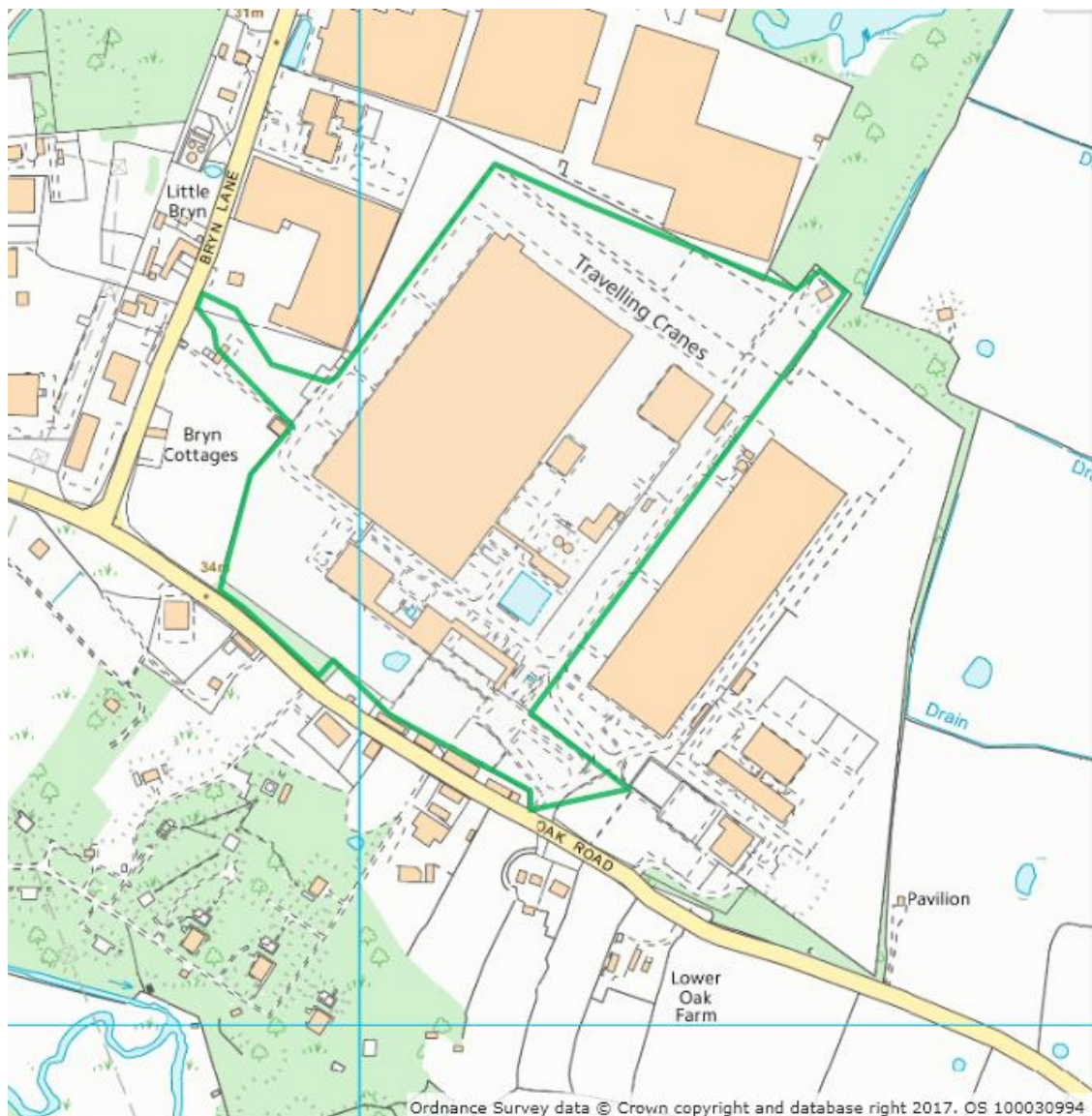
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

Schedule 7 - Site plan



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END OF PERMIT