



ASiantaeth YR  
AMGYLCHEDD  
ENVIRONMENT  
AGENCY

# Permit with introductory note

Pollution Prevention and Control Regulations 2000

---

**Prysmian Cables and Systems  
Limited  
Oak Road  
Wrexham Industrial Estate  
Wrexham  
LL13 9PH**

Permit number

**BM4848IY**

Transfer Number

**YP3732LZ**

## Contents

|   |           |
|---|-----------|
| Introductory note.....                      | iii       |
| <b>Permit .....</b>                         | <b>1</b>  |
| <b>Conditions.....</b>                      | <b>2</b>  |
| 1 The permitted installation.....           | 2         |
| 2 Operational Matters .....                 | 4         |
| 3 Records.....                              | 9         |
| 4 Reporting .....                           | 10        |
| 5 Notifications .....                       | 11        |
| 6 Emissions.....                            | 12        |
| 7 Transfer to effluent treatment plant..... | 14        |
| 8 Off site conditions .....                 | 15        |
| 9 Improvement programme.....                | 16        |
| 10 Interpretation.....                      | 17        |
| 11 Written agreement to changes.....        | 19        |
| Schedule 1.....                             | 20        |
| Schedule 2.....                             | 22        |
| Schedule 3.....                             | 23        |
| <b>END OF PERMIT.....</b>                   | <b>23</b> |

## Introductory note

### ***This introductory note does not form a part of the Permit***

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I.2000 No.1973) ("the PPC Regulations") to operate an installation carrying out one or more of the activities listed in Part 1 to Schedule 1 of those Regulations, to the extent authorised by the Permit.

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

### Brief description of the installation regulated by this permit

The process is one of a number related to the manufacture of electricity cables carried out at the Wrexham Cable Works, but is the only one that currently falls within the IPPC regime. 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.

Raw Materials: The process uses lead alloy ingots which are delivered in bulk and then melted within a vessel. The other material used is "PF4", a bitumen and white spirit mix. Lubricating oil and paper rags are also used, but not in significant quantities, not directly in the process itself, and do not add to, or detract from the finished product quality.

Process: The lead alloy ingots are placed into a large melting pot. Once melted, the lead is then extruded through a die, to form a protective sheath around a paper insulated electrical cable. The cable is then coated with a mixture of PF4. This is a mixture of bitumen and white spirit, added to prevent "cold welding", i.e. fusion of the cable during its storage. The white spirit evaporates, leaving the cable coated with bitumen.

#### Releases to Air

(a) Fumes from the lead melting pots are extracted and released unabated from the process and discharged into the local atmosphere outside the process building. (Release point A1). Further releases are made into the extraction pipework from a nearby solvent tank, which then exit from the building via the same point.

**Releases to Water:** There are no direct releases from the installation into controlled waters. Once-through cooling water is used to cool the extruded lead sheath, and the extruder is cooled by a separate, recirculated cooling circuit, which is itself cooled by a once-through secondary cooling circuit. Used cooling water passes through the site drains (hereinafter referred to as the site sewer) to a settlement lagoon, from where solids are removed periodically by tanker and clear water drained into the River Clywedog.

**Releases to Land and Other Releases:** The majority of the waste materials generated and also general waste from the site, are stored in dedicated areas, with special wastes in a separate covered and bunded store. The majority of wastes from the process are sent for recovery, with rags and empty PF4 drums currently landfilled.

#### Other PPC Permits relating to this installation

There are no other PPC Permits relating to this installation

#### Superseded Licenses / Consents / Authorisations relating to this installation

| Holder | Reference Number | Date of Issue |
|--------|------------------|---------------|
| None   | -                | -             |

## Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1.

## Confidentiality

The Permit requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

## Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

## Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

## Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

## Status Log

| Detail                              | Date   | Comment   |
|-------------------------------------|--|---|
| Application <b>BM4848</b>           | Received <b>21/12/01</b>   |   |
| Response to request for information | Request dated <b>25/07/02</b><br>Response received <b>16/09/02</b> |   |
| Supplementary information provided  | Received <b>26/11/02</b>   |   |
| Permit <b>BM4848</b>                | Issued <b>14/3/03</b>  |   |
| Permit Transfer <b>YP3732LZ</b>     | Issued <b>20/06/2006</b>   | Transfer from Pirelli Cables Limited to Prysmian Cables and System Limited. |

*End of introductory note.*

**Permit**

**Pollution Prevention and Control  
Regulations 2000**



**ASiantaeth YR  
AMGYLCHEDD  
ENVIRONMENT  
AGENCY**

**Permit**

**Permit number  
YP3732LZ**

The Environment Agency (the Agency), in exercise of its powers under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973), hereby authorises

**Prysmian Cables and Systems Limited ("the Operator"),**

**whose Registered Office is  
Chickenhall Lane  
Eastleigh  
Southampton  
Hampshire  
SO50 6YD**

**Company registration number 958507**

**to operate an Installation at**

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

**to the extent authorised by and subject to the conditions of this Permit.**

**Signed**

**P Nash**

**Authorised to sign on behalf of the Environment Agency**

**Date**

## Conditions

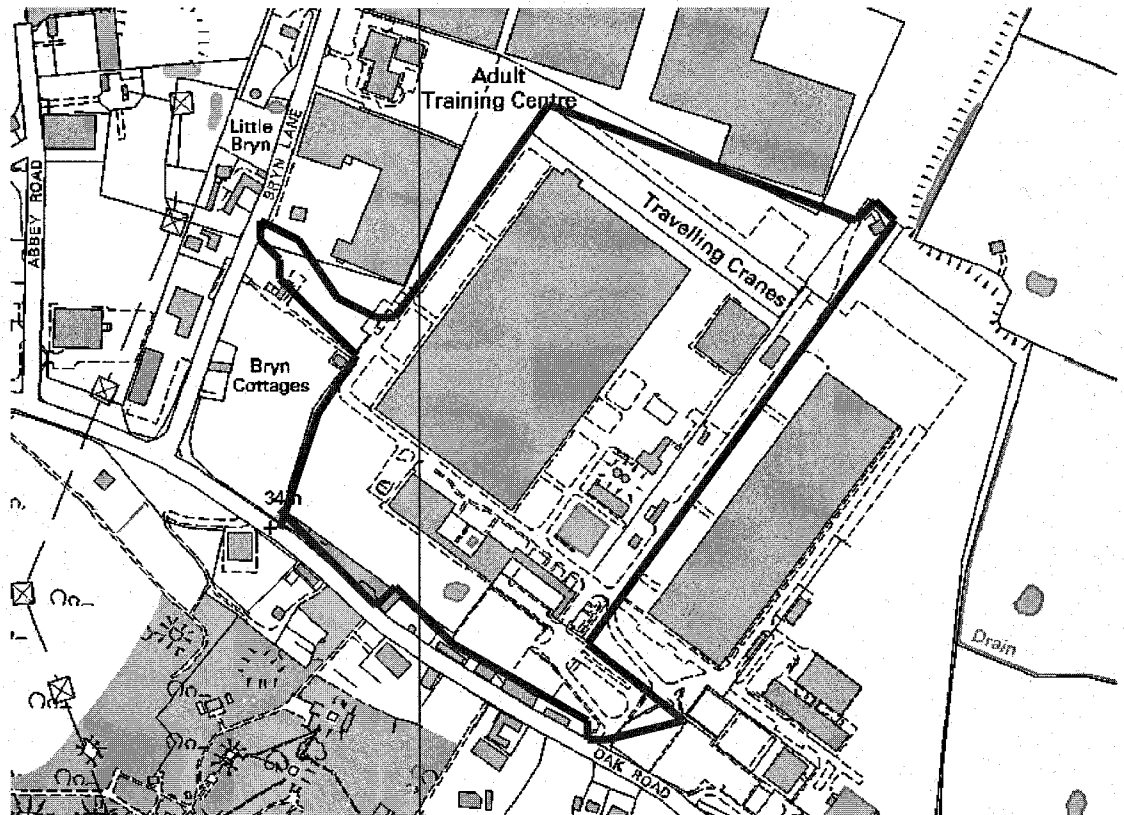
### 1 The permitted installation

- 1.1.1 The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1.

**Table 1.1.1**

| Activity under Schedule 1 of the Regulations / Associated Activity  | Description of specified activity  | Schedule 1 Activity Reference (if applicable) | Limits of specified activity   |
|---|--|---|--|
| Melting of non-ferrous metals where the melting plant has a capacity of more than 4 tonnes per day for lead | Melting of lead, where the melting capacity of the plant exceeds four tonnes per day | 2.2 A(1) (b)                                  | Receipt of raw materials, feed preparation melting of lead, and extrusion to form cable sheaths. |
| Waste handling and storage.   | Storage of process wastes ready for disposal   | Directly Associated Activity                  | Within the boundary of the installation  |

- 1.1.2 The activities authorised under condition 1.1.1 shall not extend beyond the Site, the site being the area shown edged in red on the plan below:



Controller of her Majesty's Stationary Office © Crown Copyright 2000.  
Unauthorised reproduction infringes Crown Copyright and may lead to prosecution  
or civil proceedings.

- 1.1.3 There are no pre-operation conditions



## 2 Operational Matters

### 2.1 Management techniques and control

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency.

**Table 2.1.1 : Management and control**

| Description                          | Parts  | Date Received |
|--------------------------------------|--|---------------|
| Application                          | The response to question 2.1, given in section 3 of the application. | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to questions 1 to 6.  | 16/09/02      |

- 2.1.2 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition.
- 2.1.3 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.1.4 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.
- 2.1.5 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties and shall be provided with appropriate training and written operating instructions to enable them to carry out their duties.

### 2.2 Raw materials (including water)

- 2.2.1 The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.1, or as otherwise agreed in writing by the Agency.

**Table 2.2.1 : Raw materials (including water)**

| Description                          | Parts   | Date Received |
|--------------------------------------|---|---------------|
| Application                          | The response to question 2.2 given in section 4 of the application. | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to questions 7 to 12.                                      | 16/09/02      |
| Supplementary Information            | Points relating to questions 9 and 12.                              | 26/11/02      |

## 2.3 **Operating Techniques**

- 2.3.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.3.1, or as otherwise agreed in writing by the Agency.

**Table 2.3.1: Operating techniques**

| Description                          | Parts  | Date Received |
|--------------------------------------|--|---------------|
| Application                          | The response to questions 2.3 given in section 5 of the application. | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to questions 13 to 21.                                      | 16/09/02      |
| Supplementary Information            | Points relating to questions 16, 18, 20 and 21.                      | 26/11/02      |

## 2.4 **Groundwater protection**

- 2.4.1 The Permitted Installation shall, subject to the conditions of this Permit, be controlled as described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

**Table 2.4.1: Groundwater protection**

| Description | Parts   | Date Received |
|-------------|---|---------------|
| Application | The response to questions 2.4 and described in section 5.19 and pages 51 to 53 of the Application | 21/12/01      |

## 2.5 **Waste handling and storage**

- 2.5.1 The Operator shall, subject to the conditions of this Permit, handle and store waste as described in the documentation specified in Table 2.5.1, or as otherwise agreed in writing by the Agency.

**Table 2.5.1: Waste handling and storage**

| Description                          | Parts  | Date Received |
|--------------------------------------|--|---------------|
| Application                          | The response to question 2.5. given in section 5.12.1, 5.14.3 and 7.1 of the application | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to questions 22, 23 and 24  | 16/09/02      |

- 2.5.2 The operator shall carry out an annual survey of the integrity of all bunded areas and impermeable surfacing where oil and other substances with the potential to contaminate the subsurface area are loaded, transported or stored.

2.5.3 Waste materials specified in Table 2.5.2 shall only be stored on the site in the location and manner specified in that Table.

**Table 2.5.2: Waste stored on site**

| Description of Waste            | Location of Storage (on Site Plan 000-G00-0532 except where specified) | Manner of Storage   | Storage Conditions  |
|---------------------------------|--|---------------------|---|
| Cable scrap                     | Between plant store and special waste compound                         | Skip                | On tarmac / concreted area  |
| Lead shavings                   | Between plant store and special waste compound                         | Skip                | On tarmac / concreted area  |
| Waste PF4 and lubricating oils. | In special waste compound  | Within drums        | Within a bunded, well-ventilated purpose-built store having an impermeable floor. May be stored with other wastes which do not arise from the permitted activity. |
| Lead Dross, dust and swarf      | In special waste compound  | Within drums        |   |
| Rags                            | Between plant store and special waste compound                         | Labelled Containers | May be stored with other wastes which do not arise from the permitted activity.   |
| Water From Cooling System       | Site Lagoon identified on Figure 2.2 of the Application                | Lagoon              | Lagoon  |

## 2.6 Waste recovery and disposal

2.6.1 The Operator shall, subject to the conditions of this Permit, recover and dispose of waste as described in the documentation specified in Table 2.6.1, or as otherwise agreed in writing by the Agency.

**Table 2.6.1: Waste recovery and disposal**

| Description                   | Parts   | Date Received |
|-------------------------------|---|---------------|
| 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 | 21/12/01      |
| Response to Schedule 4 Notice | Response to questions 24 and 25   | 16/09/02      |

## 2.7 **Energy Efficiency**

- 2.7.1 The Operator shall, subject to the conditions of this Permit, use energy as described in the documentation specified in Table 2.7.1, or as otherwise agreed in writing by the Agency.

**Table 2.7 1: Energy efficiency**

| Description                          | Parts  | Date Received |
|--------------------------------------|--|---------------|
| Application                          | The response to question 2.7 given in Section 8 of the application | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to question 26  | 16/09/02      |

- 2.7.2 The Operator shall prepare an energy efficiency plan by 1 July 2003 and shall update this plan annually thereafter.

## 2.8 **Accident prevention and control**

- 2.8.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in the documentation specified in Table 2.8.1, or as otherwise agreed in writing by the Agency.

**Table 2.8.1 : Accident prevention and control**

| Description                          | Parts  | Date Received |
|--------------------------------------|--|---------------|
| Application                          | The response to question 2.8 given in Section 9 of the application | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to Questions 27 and 28                                    | 16/09/02      |

## 2.9 **Noise and vibration**

- 2.9.1 The Operator shall, subject to the conditions of this Permit, control noise and vibration as described in the documentation specified in Table 2.9.1, or as otherwise agreed in writing by the Agency.

**Table 2.9.1 : Noise and vibration**

| Description | Parts   | Date Received |
|-------------|---|---------------|
| Application | Response to Question 2.9 given in Section 10 of the application | 21/12/01      |

## 2.10 **Monitoring**

- 2.10.1 The Operator shall, subject to the conditions of this Permit, carry out, evaluate and assess monitoring as described in the documentation specified in Table 2.10.1, or as otherwise agreed in writing by the Agency.

**Table 2.10.1 : Monitoring**

| Description                          | Parts   | Date Received |
|--------------------------------------|---|---------------|
| Application                          | The response to question 2.10 given in section 11 of the application. | 21/12/01      |
| Response to Schedule 4 Part 1 Notice | Response to Question 29   | 16/09/02      |

2.10.2 Where requested in writing by the Agency, the Operator shall provide at least 14 days advance notice of undertaking monitoring / spot sampling.

2.10.3 There shall be provided:

- a** safe and permanent means of access, together with all other facilities necessary, to enable sampling / monitoring to be carried out in relation to the emission points specified in Schedule 2, unless otherwise specified in that Schedule; and
- b** safe means of access, together with all other facilities necessary, to enable sampling / monitoring to be carried out in relation to other sampling / monitoring points, when required by the Agency.

2.10.4 With effect from 1<sup>st</sup> July 2003 the Operator shall use US EPA method number 29 and closed system digestion for the determination of the concentration of lead until such time as a CEN (Comité Européen de Normalisation) method is available.

## 2.11 Decommissioning

2.11.1 The Operator shall, subject to the conditions of this Permit, make provision for decommissioning the installation as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

**Table 2.11.1 : Decommissioning**

| Description | Parts  | Date Received |
|-------------|--|---------------|
| Application | The response to question 2.11 given in section 12 of the application | 21/12/01      |

## 2.12 Multi-operator installations

2.12.1 This is not a multi-operator installation

3

## Records

- 3.1.1 A record (a "Specified Record") shall be made of:-
- a** any malfunction, breakdown or failure of plant, equipment or techniques (including down time and any short term and long term remedial measures) that may have, has had or might have had an effect on the environmental performance of the Permitted Installation. These records shall be kept in a log maintained for that purpose;
  - b** all monitoring and sampling taken or carried out in accordance with the conditions of this permit and any assessment or evaluation made on the basis of such data;
  - c** for all waste received at or produced from the Permitted Installation:-
    - i** its composition, or as appropriate, description;
    - ii** the best estimate of the quantity produced;
    - iii** its disposal routes; and
    - iv** the best estimate of the quantity sent for recovery.
- 3.1.2 There shall be made available for inspection by the Agency at any reasonable time:
- a** Specified Records;
  - b** any other records made by the Operator in relation to the operation of the Permitted Installation ("Other Records").
- 3.1.3 A copy of any Specified or Other Records shall be supplied to the Agency on demand and without charge.
- 3.1.4 Specified Records and Other Records shall:-
- a** be legible;
  - b** be made as soon as reasonably practicable; and
  - c** indicate any amendments which have been made and shall include the original record wherever possible.
- 3.1.5 Specified Records and Other Records shall be retained for a minimum period of 4 years from the date when the records were made.
- 3.1.6 A record shall be made at the Permitted Installation of any complaints concerning the Installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose.

## Reporting

- 4.1.1 All reports and notifications required by this Permit, or by Regulation 16 of the PPC Regulations, shall be sent to the Environment Agency at the address notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall report the parameters listed in Table S2 to Schedule 2 as follows:
- a** in respects of the emission points specified;
  - b** for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
  - c** giving the information from such results and assessments as may be required by the forms specified in those Tables; and
  - d** sending the report to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall, within 36 months of the issue of this Permit, submit a report on potential environmental improvements to the Permitted Installation. For each of the subject areas identified in Section 2 of the appropriate technical guidance, the report shall assess the costs and benefits of alternative techniques that may provide environmental improvement. This shall include, but not be limited to, those techniques listed in guidance. The methodologies used should be based on those given in Agency guidance note IPPC H1 (Environmental Assessment and Appraisal of BAT) and should justify, against the Best Available Techniques criteria, where potential improvements are not planned to be implemented. As part of their management system the Operator shall submit an updated report every 36 months.
- 4.1.4 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 March in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.5 Fugitive emissions shall be reviewed on an annual basis and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them.
- 4.1.6 The Operator shall produce a report annually on the energy consumption of the installation, and shall send a copy of each such report to the Agency. The report shall contain, as a minimum, the information specified in the form listed in Schedule 3.
- 4.1.7 The Operator shall produce a report annually, summarising the quantities of waste removed from the site for recovery / disposal, and shall send a copy of each such report to the Agency. The report shall contain, as a minimum, the information specified in the form listed in Schedule 3.

## 5 Notifications

- 5.1.1 The Operator shall notify the Agency **without delay** of:-
- a** the detection of an emission of any substance which exceeds any limit or criteria in this Permit specified in relation to the substance;
  - b** the detection of any fugitive emission which has caused or may cause pollution unless the quantity emitted is so trivial that it would be incapable of causing pollution;
  - c** the detection of any malfunction, breakdown or failure of plant or techniques which has caused or may have the potential to cause pollution; and
  - d** any accident which has caused or may have the potential to cause pollution.
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1 of this Permit by sending:-
- a** the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
  - b** the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;
- and such information shall be in accordance with that Schedule.
- 5.1.3 The Operator shall give written notification, as soon as practicable, of any of the following:
- a** permanent cessation of the operation of any part of or all of the Permitted Installation;
  - b** cessation of the operation of any part of or all of the Permitted Installation for a period, likely to exceed 1 year; and
  - c** resumption of the operation of any part of or all of the Permitted Installation after a cessation notified under 5.1.3(b).
- 5.1.4 The Operator shall notify the following matters to the Agency, in writing, within 14 days of their occurrence:
- i** any change in the Operator's trading name, registered name or registered office address;
  - ii** a change to any particulars of the Operator's ultimate holding company (including details of an ultimate holding company where the Operator has become a subsidiary);
  - iii** any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.



6

## Emissions

### 6.1 Emissions into air

6.1.1 Emissions to air from the emission points specified in Table 6.1.1 shall only arise from the sources specified in that Table.

**Table 6.1.1: Emission points into air**

| Emission point reference / description   | Sources   | Location of emission point on drawing IPPC 2.3-3               |
|--|---|--|
| A1 Vent outside main building housing the lead melting activity. Direct discharge to atmosphere. | Extraction hood from Lead melting pots.<br>Extraction from tool cleaning area cabinets (2 off). | Identified on Figure 2.2 of the Application as "Extract Vent". |

6.1.2 The limits for emissions into air for the parameters and emission points set out in Table 6.1.3 shall not be exceeded.

6.1.3 The Operator shall carry out monitoring of the parameters listed in Table 6.1.3, from the emission points and at least at the frequencies specified in that Table.

**Table 6.1.3: Emission limits into air**

| Parameters                                     | Emission Point |
|--|----------------|
|  | A1             |
| Particulate matter, mg m <sup>-3</sup>         | 2              |
| Frequency of monitoring                        | Annual         |
| Lead, mg m <sup>-3</sup> Note 1                | 0.2            |
| Frequency of monitoring                        | Annual         |
| Volatile Organic Compounds, mg m <sup>-3</sup> | 20             |
| Frequency of monitoring                        | Annual         |

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

6.1.4 Where an annual mass limit for a substance is stated in Table 6.1.4, the aggregate emission of such substance from the Permitted Installation into air from the emission points specified in Table 6.1.2 shall not exceed that limit in any year.

**Table 6.1.4 Annual mass limits**

There are no annual mass limits set.

6.1.5 There shall be no odour from the activities at the installation detectable beyond the site boundary.

6.2 **Emissions to land**

6.2.1 There shall be no emission to land from the Permitted Installation

6.2.2 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the Site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.

6.3 **Emissions to water [other than emissions to sewer]**

6.3.1 There shall be no direct emission into controlled waters from the Permitted Installation.

6.4 **Emissions to sewer (site drainage system)**

6.4.1 Emissions into sewer from the emission point specified in Table 6.4.1 shall only arise from the source specified in that table.

**Table 6.4.1: Emission points into sewer**

| Emission Point Reference | Source   | Receiving Sewer                       |
|--------------------------|--|---------------------------------------|
| S1                       | Once-through, sheath cooling water, from collection trough | Site drain leading to the site lagoon |
| S2                       | Extruder secondary cooling water                           | Site drain leading to the site lagoon |

6.4.2 The limits for emissions into sewer for the parameters and emission points set out in Table 6.4.3 shall not be exceeded.

6.4.3 The Operator shall carry out monitoring of the parameters listed in Table 6.4.3, from the emission points and at least at the frequencies specified in that Table.

**Table 6.4.3: Emission limits into sewer**

| Parameter                    | Emission Point S1 |
|------------------------------|-------------------|
| Lead, mg/l                   | 1                 |
| Frequency of monitoring      | Annually          |
| Chemical Oxygen Demand, mg/l | 125               |
| Frequency of monitoring      | Annually          |

6.5 **Emissions of heat**

6.5.1 No conditions are specified

6.6 **Emissions of noise and vibration**

6.6.1 No conditions are specified

7

## Transfer to effluent treatment plant

7.1.1

There is no effluent treatment plant.

## 8 Off site conditions

8.1.1 There are no off-site conditions.

## Improvement programme

### 9.1.1

The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the date of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

**Table 9.1.1: 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 used within the installation.  | 31 May 2003                        |
| 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.  | 30 June 2003                       |
| 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.  | 30 June 2003                       |
| 9.4       | The Operator shall submit a timetable for phasing out the use of trichloroethylene in the process.  | 30 June 2003                       |
| 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.   | 30 June 2003                       |
| 9.6       | The Operator shall provide a detailed emergency plan for the Installation.  | 30 June 2003                       |
| 9.7       | The Operator shall provide a detailed accident prevention plan for the Installation.  | 30 June 2003                       |
| 9.8       | The Operator shall carry out appropriate tests to determine the maximum instantaneous VOC releases from the installation.   | 31 July 2003                       |
| 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. | 30 September 2003                  |
| 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.   | 31 October 2003                    |
| 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.  | Depending upon phase-out timetable |

10

## Interpretation

10.1.1 In this Permit, the following expressions shall have the following meanings:

*"Authorised Officer"*

means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, powers specified in Section 108(4) of that Act.

*"Background concentration"*

means the same as "background quantity" as defined in paragraph 11 to Part 2 to Schedule 1 of the PPC Regulations.

*"Fugitive emission"*

means an emission from any point other than those specified in the Tables in part 6 of this Permit.

*"List I substances"*

are those classified as such within The Surface Waters (Dangerous Substances) (Classification) Regulations 1989 (Statutory Instrument 2286), as amended by Statutory Instrument 1992 No 337.

*"List II substances"*

are those classified as such within The Surface Waters (Dangerous Substances) (Classification) Regulations 1997 (Statutory Instrument 2560) and Statutory Instrument 1998 No 389.

*"Monitoring"*

includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

*"Permitted Installation"*

means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

*"PPC Regulations"*

means the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit.

*"Staff"*

includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

*"Substances prescribed for water"*

means those substances mentioned in paragraph 13 of Part 2 of Schedule 1 to the PPC Regulations.

*"Year"*

means calendar year ending 31 December.

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

- 10.1.3 Unless stated otherwise, any references in this Permit to concentrations of substances in emissions into air mean;
- a** in relation to gases from combustion processes, the concentration in dry air at a temperature of 273 K, 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
  - b** in relation to gases from non-combustion sources, the concentration at a temperature of 273 K and at a pressure of 101.3 kPa, with no correction for water vapour content.

## 11 Written agreement to changes

- 11.1.1 When the qualification "or as otherwise agreed in writing" is used in a condition of this Permit, the Operator shall seek such agreement in the following manner:
- a** the Operator shall give the Agency written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and
  - b** such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.
- 11.1.2 Any change, proposed according to condition 11.1.1 and agreed in writing by the Agency, shall not be implemented until the Operator has given the Agency prior written notice of the implementation date for the change. As from that date, the Operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.



## Schedule 1

### Confirmation of condition 5.1.1 notifications, in accordance with condition 5.1.2

This Schedule outlines the information that the Operator must provide to the Agency to satisfy condition 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must 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 PPC Regulations.

Returns should contain:

#### **Part A**

- ☐ Name of Operator.
- ☐ Permit Number
- ☐ Location of Installation
- ☐ Date information provided
- ☐ Time, date and location of the emission
- ☐ Identity and details of the substance[s] emitted to include:-
  - ☐ Best estimate of the quantity or the rate of emission, and the time during which the emission took place
  - ☐ Environmental medium into which the emission took place
  - ☐ Measures taken, or intended to be taken, to stop the emission

#### **Part B**

- ☐ Date and time of emission
- ☐ Any more accurate information on the matters notified 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 or harm which has been or may be caused by the emission
- ☐ The dates of any Part A notifications within the previous 24 months

☐ Name

☐ Post.....

☐ Signature

☐ Date

☐ Statement that signatory is authorised to sign on behalf of Prysmian Cables  
and Systems Limited.

## Schedule 2

### Reporting of monitoring data

Parameters for which reports shall be made, in accordance with condition 4.1.2 of this Permit, are listed in Table S2 below.

**Table S2: Reporting of monitoring data**

| Parameter                                  | Emission point | Reporting period | Period begins |
|--|----------------|------------------|---------------|
| Lead, mg m <sup>-3</sup>                   | A1             | Every 12 months  | 1 April 2003  |
| Particulate matter, mg m <sup>-3</sup>     | A1             | Every 12 months  | 1 April 2003  |
| VOCs, mg m <sup>-3</sup>                   | A1             | Every 12 months  | 1 April 2003  |
| Lead, mg l <sup>-1</sup>                   | S1             | Every 12 months  | 1 April 2003  |
| Chemical Oxygen Demand, mg l <sup>-1</sup> | S1             | Every 12 months  | 1 April 2003  |
| Flow Rate, l/hour                          | S1             | Every 12 months  | 1 April 2003  |

## Schedule 3

### Forms to be used

Unless otherwise agreed in writing between the Agency and the Operator, the Operator shall use the Agency forms specified in Table S3 for reports submitted to the Agency.

| Table S3:Reporting Forms |             |              |
|--------------------------|-------------|--------------|
| Medium / parameter       | Form Number | Date of Form |
| Air                      | A1          | 28/1/03      |
| Sewer                    | S1          | 14/3/03      |
| Energy                   | E1          | 28/1/03      |
| Waste Return             | R1          | 28/1/03      |

**END OF PERMIT**