



**ENVIRONMENT  
AGENCY**

## **Variation Notice with introductory note**

Pollution Prevention and Control (England & Wales) Regulations 2000

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**Prysmian Cables and Systems  
Limited  
Oak Road  
Wrexham Industrial Estate  
Wrexham  
LL16 9PH**

Variation Notice Number  
DP3338MY

Permit number  
**BM4848IY**

# Prysmian Cables and Systems Limited

## Permit Number BM4848IY

### Introductory note

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

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule 1 containing conditions to be deleted, schedule 2 conditions to be amended and schedule 3 conditions to be added.

The Operator is relocating the existing process equipment, i.e. the lead pot, extruder and tool die cleaning operation within the main factory building. The emission point to air will be relocated and a bag filter installed for abating the particulate and lead releases from this point. The newly relocated emission point is named A2 in this Variation for clarity. The old emission point A1 will not be used for the release of emissions from this Installation. The waste from this equipment will be treated in the same way as the lead dross from the process. The emission points to sewer remain unchanged in relation to the extruder and lead melting pot. The dedicated lead ingot storage area will be moved from inside the main building to an unheated external metals storage building. The solvent bath used for cleaning bitumen dies has been removed as this cleaning will now be carried out off-site.

In 2004 the number of lead pots and extruders in use at the site was reduced. This is reflected in this notice.

Status Log of the permit		
Detail	Date	Response Date
Application <b>BM4848</b>	Received <b>21/12/01</b>	
Response to request for information	Request dated <b>25/07/02</b> 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.
Variation Application	Received 06 November 2006	
Supplementary Information	Received 07 November 2006	
Supplementary Information	Received 09 November 2006	
Supplementary Information	Received 13 November 2006	
Supplementary Information	Received 15 November 2006	
Variation notice DP3338MY	Issued 22/11/2006	Relocation of pots and lead storage, removal of solvent bath and installation of bag filter to A1

**Variation Notice**

Pollution Prevention and Control  
(England and Wales) Regulations 2000

## Variation Notice

Permit number

**BM4848IY**

Variation number

**DP3338MY**

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

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

whose registered office (or principal office) is

**Chickenhall Lane**

**Eastleigh**

**Hampshire**

**SO50 6YU**

company registration number **958507**

to operate an Installation at

**Oak Road**

**Wrexham Industrial Estate**

**Wrexham**

**LL13 9PH**

to the extent set out in schedules 1 to 3 of this variation notice .

The notice shall take effect from 22 November 2006

Signed

Date

	22 <sup>nd</sup> November 2006.
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P. Nash

Authorised to sign on behalf of the Agency

**Other PPC permits relating to this installation**

There are no other PPC Permits relating to this Installation

**Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation**

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
None			

**Other existing Licences/Authorisations/Registrations relating to this site**

Holder	Reference Number	Date of issue
Prysmian Cables and Systems Limited	DPZ0082	15/11/2001

End of Introductory Note

## **SCHEDULE 1 – CONDITIONS TO BE DELETED**

1. The following conditions are deleted from the Permit:

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.

## **SCHEDULE 2 – CONDITIONS TO BE AMENDED**

2. The following conditions are amended as follows

### **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**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
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
Application for Variation	Section 4.1 of Report WXML2006	06 November 2006

### **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)**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
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
Application for Variation	Sections 3.1, 4.2, 4.11.2 and Appendix 1 of Report WXMLM2006.	06 November 2006
Supplementary Information	Section 3.1.3.2 of the amended page 5 of Report WXMLM2006.	13 November 2006

## 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**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
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
Application for Variation	Sections 3 and 4.4 of Report WXMLM2006	06 November 2006
Supplementary Information	Amended Figure 2 of Report WXMLM2006.	09 November 2006
Supplementary Information	Amended page 5 and Figure 3 of Report WXMLM2006.	13 November 2006
Supplementary Information	All	15 November 2006

## 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
Application for Variation	Section 5.3 and 4.11.2 of Report WXMLM2006	06 November 2006

## 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
Application for Variation	Sections 3.2 and 4.6 of Report WXMLM2006	06 November 2006

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.
Lead Dross, dust and swarf, lead particulate from A1 air filter unit.	In special waste compound	Within drums	May be stored with other wastes which do not arise from the permitted activity.
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

## 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
Application for Variation	Sections 3.2 and 4.6 of Report WXMLM2006	06 November 2006

## 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
Application for Variation	Section 4.7 of Report WXMLM2006	06 November 2006

## 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
Application for Variation	Section 4.9 of Report WXMLM2006	06 November 2006



## 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
Application for Variation	Section 4.10 and Figure 5 of Report WXMLM2006	06 November 2006
Supplementary Information	Amended Figure 2 of Report WXMLM2006.	09 November 2006
Supplementary Information	Amended Figures 3 and 4 of Report WXMLM2006.	13 November 2006

## Decommissioning

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
Application for Variation	Section 4.11 of Report WXMLM2006	06 November 2006

## 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
A2 Vent 4m above ridge height of main building housing the lead melting activity. Abated discharge to atmosphere.	Extraction hood from Lead melting pots. Extraction from tool cleaning area cabinet	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.

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 A2
Particulate matter, mg m <sup>-3</sup>	1
Frequency of monitoring	Annual
Lead, mg m <sup>-3</sup> Note 1	0.1
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).

## Improvement programme

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.	Complete
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 Variation and shall forward a report to the Agency detailing the monitoring and results to Agency for approval.	28/02/2007
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 Agency for approval.	28/02/2007
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 Agency for approval.	31/01/2007
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 Agency for approval.	31/01/2007

## Schedule 2

Schedule 2 shall be amended as follows:

### 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.

Parameter	Emission point	Reporting period	Period begins
Lead, mg m <sup>-3</sup>	A2	Every 12 months	1 January 2007
Particulate matter, mg m <sup>-3</sup>	A2	Every 12 months	1 January 2007
VOCs, mg m <sup>-3</sup>	A2	Every 12 months	1 January 2007
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

Schedule 3 shall be amended as follows:

### 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.

Medium / parameter	Form Number	Date of Form
Air	A2	22/11/06
Sewer	S1	14/3/03
Energy	E1	28/1/03
Waste Return	R1	28/1/03

## SCHEDULE 3 – CONDITIONS TO BE ADDED

3. None.