



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control Regulations 2000

Deeside Paper Mill

**UPM-Kymmene (UK) Limited
Weighbridge Road
Shotton
Flintshire
CH5 2LL**

Variation Notice number

WP3031LR

Permit number

BT4885

Introductory note

This introductory note does not form a part of the Variation Notice.

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 Permit number BT4885 (the "Permit") issued under the Regulations to operate the 'Deeside Paper Mill' works (the "Installation").

The Notice comprises: Schedule A containing conditions to be deleted; Schedule B conditions to be amended; and Schedule C conditions to be added. The Notice is subject to the express conditions set out in Schedules A to C.

The Permit, as amended by this Variation Notice, contains conditions which 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 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.

The main purpose of the activities at the Installation is manufacture of approximately 500,000 tonnes of newsprint per annum at the Deeside Paper Mill.

This Variation notice has been issued in response to an Application by the Operator for a variation to permit the partial commissioning of the new boiler 7, which is currently being determined by the Environment Agency under an application for variation number PP3936SQ. The issue of this Variation Notice does not in any way indicate that a variation notice to permit the operation of the new boiler will be issued. The work covered by this variation notice includes commissioning of the gas burners and their controls, curing of refractory, alkaline cleaning of the boiler tubes, magnetite film formation, pipework conditioning, steam blowing and commissioning of the steam turbine and the mill steam feed system. It does not include the operation of boiler 7 for the purpose of producing electricity or providing steam to the paper mill.

Other PPC Permits relating to this Installation

Permit holder	Permit Number	Date of Issue
Shotton Combined Heat and Power Ltd	BJ6429	12/03/2001

Superseded Licenses/Consents/Authorisations relating to this Installation

Holder	Reference Number	Date of Issue
UPM-Kymmene (UK) Limited	AA6408	02/04/1992
UPM-Kymmene (UK) Limited	AU7338	16/10/1996

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 of the Permit.

Confidentiality

The Permit/Variation 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 the 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 BT4885	Received 11/10/2002	
Duly Made	11/10/2002	
Permit BT4885	Determined 7/2/2003	
Application for variation	Received 31/7/2003	
Duly Made	31/7/2003	
Response to request for information	Request dated 19/09/03	Response dated 23/09/03
Response to request for information	Request dated 25/09/03	Response dated 01/10/03
Response to request for information	Request dated 25/09/03 & 06/10/03	Response dated 15/10/03
Variation BV4916	Determined	05/11/03
Application for variation	Received 29/04/05	
Variation JP3030LM [to cease burning waste]	Issued 16/12/2005	
Application for variation	Received 12/07/06	
Response to request for additional information	Received 14/07/06	
Variation WP3031LR	Issued 17/07/06	

End of introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000



**ENVIRONMENT
AGENCY**

Variation Notice

Permit number

BT4885 (the "Permit")

Variation Notice number

WP3031LR

The Environment Agency in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I. 2000 No. 1973) (as amended) (the "Regulations"), hereby varies the Permit held by **UPM-Kymmene (UK) Limited** (the "Operator"),

Whose Registered Office is

Meadowhead Road

Shewalton

Irvine

Scotland

KA11 5AT

Company registration number SC102969

which relates to the operation of part of an Installation at

Deeside Paper Mill

Weighbridge Road

Shotton

Deeside

Flintshire CH5 2LL

to the extent set out in Schedules A to C of this Variation Notice.

Signed

P Nash

Authorised to sign on behalf of the Environment Agency

Date

17 July 2006

SCHEDULE A - CONDITIONS TO BE DELETED

1. None

SCHEDULE B - CONDITIONS TO BE AMENDED

1) Condition 1.1.1 shall be amended to:

Activity under Schedule 1 of the Regulations/ Associated Activity	Description of specified activity	Schedule 1 Activity Reference (if applicable)	Limits of specified activity
Producing in an industrial plant paper and board where the plant has a production capacity of more than 20 tonnes per day.	Newsprint manufacture from recycled fibre, including raw material processing and despatch of finished goods to the customer.	Schedule 1, Chapter 6, Section 6.1 Part (A)1	Waste paper delivery to site. Despatch of paper to customer.
Burning any fuel in an appliance with a rated thermal input of 50 MW or more.	Three gas/oil fired boilers and one fluidised bed combustor	Schedule 1, Chapter 1, Section 1.1 Part (A)1	Fuel delivery and storage, discharge stacks and steam distribution system Excluding the burning of deinking sludge (Deinking Sludge Cake) and effluent treatment plant sludge (Primary Sludge Cake) after 27/12/05 in the fluidised bed combustor (Boiler 2).
Effluent treatment plant.	Activated sludge treatment of all liquid effluent from the papermaking activity.	Directly Associated Activity	Effluent flow from paper machines, effluent treatment, lagoons and discharge system.
Boiler 7	Commissioning of boiler 7 on gas.	Schedule 1, Chapter 1, Section 1.1 Part (A) 1	Commissioning of the boiler gas burners, curing of refractory, conditioning of boiler water and steam pipework, and commissioning of the steam turbine and mill steam feed systems. Supply of steam for electricity generation or feed to the mill is not permitted.

2) Condition 2.2.1 shall be amended to:

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 2.2 of the Application excluding Tables 2.2.2.1 and 2.2.3.1	11/10/02
Response to Sch-4 Notice	Item 6, Item 7	11/10/02
Application for variation BV4916	Application for variation dated 25/07/03	31/07/03
Response to request for information	Response dated 15/10/03	15/10/03
Application for variation WP3031LR	Application for variation dated 12/07/06	12/07/06

3) Condition 2.3.1 shall be amended to:

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 question 2.3 given in the Application section 2.3; excluding Tables 2.3.1, 2.3.3, 2.3.8, 2.3.9, 2.3.10, 2.3.12, 2.3.13 and references to the burning of deinking sludge (Deinking Sludge Cake) and effluent treatment plant sludge (Primary Sludge Cake) in Boiler 2.	11/10/02
Response to Sch 4 Notice	Item 4, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	11/10/02
Application for variation BV4916	Application for variation dated 25/07/03; excluding references to the burning of deinking sludge (Deinking Sludge Cake) and effluent treatment plant sludge (Primary Sludge Cake) in Boiler 2.	31/07/03
Response to request for information	Response dated 23/09/03	23/09/03
Application for variation JP3030LM	Application for variation dated 22/04/05.	29/04/05
Application for Variation WP3031LR	Application for variation dated 12/07/06	12/07/06

4) Condition 2.8.1 shall be amended to:

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 the Application section 2.8 excluding Table 2.8.1.	11/10/02
Response to Schedule 4 Part 1 Notice	Response to questions 8, and 18	11/10/02
Application for variation WP3031LR	Application for variation dated 12/07/06	12/07/06

6) Condition 2.10.1 shall be amended to:

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 the Application section 2.10 excluding Table 2.10.8.	11/10/02
Response to Schedule 4 Part 1 Notice	Response to question 14.	11/10/02
Application for variation BV4916	Application for variation dated 25/07/03	31/07/03
Response to request for information	Response dated 01/10/03	02/10/03
Application for variation WP3031LR	Application for variation dated 12/07/06	12/07/06

7) Condition 6.1.1 shall be amended to:

6.1.1 Emissions to air from the emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table.

Table 6.1.1: Emission points into air		
Emission point reference/description	Source	Location of emission point
A1	PM1 Hood Exhaust	Point A1 on Fig 2.3.10.2
A2	PM1 Vacuum Pump Exhaust	Point A2 on Fig 2.3.10.2
A9	RCF1 Pulper Vent	Point A9 on Fig 2.3.10.2
A10	PM2 Hood Exhaust	Point A10 on Fig 2.3.10.2
A11	PM2 Vacuum Pump Exhaust	Point A11 on Fig 2.3.10.2
A12	RCF2 Pulper Vent	Point A12 on Fig 2.3.10.2
A13	Boiler 1 Stack	Point A13 on Fig 2.3.10.2
A14	Boiler 2 Stack	Point A14 on Fig 2.3.10.2
A15	Boiler 3 Stack	Point A15 on Fig 2.3.10.2
A18	Boiler 6 Stack	Point A18 on Fig 2.3.10.2
A19	RCF3 Pulper Vent	Point A19 on Fig 2.3.10.2
A20	Boiler 7 Stack	Point A20 on Fig 2.3.10.2

8) Condition 6.1.3 shall be amended to:

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

Parameters	Emission Point					
	A13 Boiler 1	A14 Boiler 2	A15 Boiler 3	A1 and A10	A18 Boiler 6	A20 Boiler 7
Oxides of nitrogen (as NO ₂) mg m ⁻³ (½ hourly average)	450	300	150	NA	150	200
Frequency of monitoring	quarterly	quarterly	quarterly		quarterly	continuous
Volatile Organic Compounds (as carbon) mg m ⁻³ (½ hourly average)	NA	-	NA	-	NA	NA
Frequency of monitoring		quarterly		annually		continuous
Sulphur dioxide mg m ⁻³ (½ hourly average)	NA	500	NA	NA	NA	NA
Frequency of monitoring		quarterly				continuous
Particulate mg m ⁻³ (min 4 hour sample)	NA	100	NA	NA	NA	NA
Frequency of monitoring		quarterly				continuous
Dioxins nm ⁻³ TEQ	NA	-	NA	NA	NA	NA
Frequency of monitoring		annually				

SCHEDULE C - CONDITIONS TO BE ADDED

- 1) Condition 4.1.6 shall be added.

4.1.6 The operator shall submit a commissioning report to the Environment Agency at the significant steps set out in the Application and at least once per week.

- 2) Condition 2.3.2 shall be added.

2.3.2 Commissioning shall be carried out as described in this variation notice during the period from the date of issue upto the date of determination of application for variation PP3936SQ inclusive.

- 3) Condition 2.3.3 shall be added.

2.3.3 In the event of any abnormal operation or accident the commissioning work shall be suspended until normal operation can be resumed.

END OF PERMIT VARIATION