

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Sofidel UK Limited

Lancaster (North) Paper Mill
Lansil Industrial Estate
Lansil Way
Lancaster
Lancashire
LA1 3QY

Variation application number

EPR/UP3237ES/V004

Permit number

EPR/UP3237ES

Lancaster (North) Paper Mill

Permit number EPR/UP3237ES

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

The permit has been reviewed against the requirements of the Medium Combustion Plant Directive (MCPD) for 2025 and relevant conditions and monitoring requirements have been added.

The plant consists of one existing Medium Combustion Plant (MCP) boiler with a thermal input capacity of 8.2MWth, fuelled by natural gas.

Brief description of the process

The main purpose of the activities at the installation is the production of different grades of high-quality tissue for the domestic market, which is used elsewhere to produce products such as toilet rolls, kitchen paper and similar products. The tissue is produced from virgin fibre.

The paper mill was constructed in 1994/1995 and forms part of a mixed-use industrial estate in the northeast of the city of Lancaster, approximately 1.5 km west of Junction 34 of the M6 motorway. The whole of the estate is built on the site of a former chemical works, which closed in the 1980's.

The installation is a medium sized paper mill producing up to 37,000 tonnes per year of tissue on a single paper machine. The activities at the installation include the tissue machine, a re-winder and the combustion plant.

All raw materials are delivered by road. The process uses large amounts of water, most of which is recycled. Process water is abstracted from the Lune, which runs alongside the western boundary of the installation, and is supplemented by the towns treated water.

Virgin pulp is pulped in water. The resulting pulp is diluted with water producing a stock with a consistency of about 3.8% that is passed to the machine chests prior to the paper machine.

From the machine chests the stock enters the paper machine and flows initially on to a continuously moving porous fabric belt where water is removed by gravity leaving the wet paper pulp on the belt. The wet pulp transfers to a continuous felt belt where more water is removed by vacuum. The resulting wet paper sheet is pressed and dried using a steam heated roller and further dried using hot air from a gas burner and air blower. The product is finally collected on a 'Parent Reel' at the end of the machine. Parent reels are removed from the machine and cut and rewound before dispatch.

All water from the paper machine is collected and re-circulated in the process. Excess water is passed to an effluent treatment plant using Dissolved Air Flootation where fibres and other solids are de-watered and most of the water recycled to the mill. The remaining water from the effluent treatment plant is discharged to sewer for treatment (along with other discharges) by United Utilities effluent treatment works.

Steam used in the process is produced by an on-site natural gas boiler rated at 8.2MWth.

The installation is approximately 3 km east of Morecambe Bay, a designated Special Area of Conservation (SAC), Special Protection Area (SPA) and Ramsar site. It is approximately 5 km west of the Bowland Fells SPA.

The operator has an environmental management system certificated to ISO 14001.

The schedules specify the changes made to the permit.

We consider that in reaching our decision to vary the permit we have taken into account all relevant considerations and legal requirements. We are satisfied that the permit will ensure that a high level of protection is provided for the environment and human health and that the activities will not give rise to any significant pollution of the environment or harm to human health.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application BJ9410 received	22/02/01	Application for paper mill
Request for information (No. 2)	04/10/01	Response received 29/11/01
Permit BJ9410 determined	30/04/02	
Application for variation	23/03/04	
Application for transfer HP3632PJ (EPR ref: EPR/HP3632PJ/T001)	20/05/04	Transfer from Celtech International Ltd to NTG (Papermill) Limited.
Permit varied and transferred as HP3632PJ (Permit EPR/HP3632PJ)	27/07/04	Variation and transfer issued as composite. No separate variation issued.
Application for Variation NP3735MT (EPR ref. EPR/HP3632PJ/V002)	22/09/06	
Variation NP3735MT determined (EPR ref. EPR/HP3632PJ/V002)	07/11/06	
Environment Agency Paper and Pulp Sector Review 2011 Variation determined EPR/HP3632PJ/V003 Permit EPR/HP3632PJ	26/10/11	Varied and consolidated permit issued in modern condition format.
Environment Agency variation determined EPR/HP3632PJ/V004	03/01/14	Environment Agency variation to implement the changes introduced by IED.
Application EPR/UP3237ES/T001 (full transfer of permit EPR/HP3632PJ)	Duly made 24/01/14	Application to transfer the permit in full, from NTG (Papermill) Limited to Sofidel UK Limited.
Transfer determined EPR/ UP3237ES	21/02/14	Full transfer of permit complete. Consolidated permit
EPR/UP3237ES/V002 Response to Regulation 60 Notice dated 21/11/14 (variation and consolidation)	30/03/15	Statutory review of permit - BAT Conclusions published 30 September 2014
Variation determined EPR/UP3237ES (Billing Ref: GP3932AC)	01/08/16	Varied and consolidated permit issued
Notified of change of Registered office	09/09/19	Registered office changed to Brunel Way, Baglan Energy Park, Briton Ferry, Neath, SA11 2FP
Variation issued EPR/UP3237ES/V003 (Billing ref: BP3700BY)	16/09/19	Varied permit issued to Sofidel UK Limited

Status log of the permit		
Description	Date	Comments
Application EPR/UP3237ES/V004 (variation and consolidation)	Regulation 61 Notice response received 28/07/24	Environment Agency initiated variation and consolidation following Medium Combustion Plant permit review.
Further information provided	02/12/24	Operator confirmed MCP fuel usage
Variation determined and consolidation issued EPR/UP3237ES/V004	08/01/25	Varied and consolidated permit issued

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/UP3237ES

Issued to

Sofidel UK Limited (“the operator”)

whose registered office is

**Brunel Way
Baglan Energy Park
Briton Ferry
Neath
Wales
SA11 2FP**

company registration number 02245657

to operate a regulated facility at

**Lancaster (North) Paper Mill
Lansil Industrial Estate
Lansil Way
Lancaster
Lancashire
LA1 3QY**

to the extent set out in the schedules.

The notice shall take effect from 08/01/2025.

Name	Date
Kate Booth	08/01/2025

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were varied as a result of an Environment Agency initiated variation:

- Table S1.1, as referenced by conditions 2.1.1, 2.3.6 and 3.5.5, is amended to add and amend activity references, add details of MCP and to remove gas oil as a fuel for AR3.
- Table S1.3, as referenced by condition 2.4.1, is amended to add new dates.
- Table S3.1, as referenced by conditions 3.1.1, 3.5.1, 3.5.4, is amended to update monitoring requirements for emission point A5.
- Table S4.1, as referenced by condition 4.2.3, is amended to add emissions to air parameters for MCP.
- Table S4.3, as referenced by conditions 4.2.2 and 4.2.3, is amended to add the emissions to air reporting form.
- Schedule 6, as referenced by condition 4.4.1, is amended to add additional interpretations.

The following conditions are added following an Environment Agency initiated variation:

- 2.3.6, 3.5.5, 3.5.6 and 4.1.3.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/UP3237ES

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/UP3237ES/V004 authorising,

Sofidel UK Limited (“the operator”),

whose registered office is

**Brunel Way
Baglan Energy Park
Briton Ferry
Neath
Wales
SA11 2FP**

company registration number 02245657

to operate an installation at

**Lancaster (North) Paper Mill
Lansil Industrial Estate
Lansil Way
Lancaster
Lancashire
LA1 3QY**

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

Name	Date
Kate Booth	08/01/2025

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 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 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 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.

2.3.5 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.

2.3.6 For the following activities referenced in Schedule 1 Table S1.1 (AR3):

- (a) the operator must keep periods of start-up and shut down of the combustion plant as short as possible.
- (b) there shall be no persistent emission of ‘dark smoke’ as defined in section 3(1) of the Clean Air Act 1993.

2.4 Improvement programme

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

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 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 the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
 - (b) process monitoring specified in table S3.4.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.
- 3.5.5 For the following activities referenced in Schedule 1 Table S1.1 (AR3):
 - (a) For existing MCP Monitoring measurements shall be carried out within four months of the issue date of this notice.
- 3.5.6 Monitoring of MCP shall not take place during periods of start-up or shut down.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
 - (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.
- 4.1.3 The operator shall maintain a record of the type and quantity of fuel used and the total annual operating hours for each MCP.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) 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, and;
 - (b) the performance parameters set out in schedule 4 table S4.2 using the forms specified in table S4.3 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.3; 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 the Environment Agency, 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 In the event:
- (a) 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 the Environment Agency,
 - (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) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) 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 (a)(i), or 4.3.1 (b)(i) 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 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (c) any change in the operator's name or address; and
- (d) any steps taken with a view to the dissolution of the operator.

4.3.4 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.5 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.6 Where the operator has entered into a climate change agreement with the Government, the Environment Agency 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
AR1	Section 6.1 Part A(1)(b)	Producing, in industrial plant, paper and board where the plant has a production capacity of more than 20 tonnes per day. Single Paper machine for the production of Tissue grade paper	From receipt and storage of pulp and other raw materials, to storage and despatch of the tissue paper
AR2	Section 5.4 Part A(1)(a)(ii)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment. Treatment by Dissolved Air Flotation	From receipt of mill effluent and associated sludge treatment to point of discharge to sewer.
Directly Associated Activity			
AR3	Steam from operation of a Schedule 25A Medium Combustion Plant	8.2MWth natural gas boiler which is an existing MCP.	From receipt of fuel to release of products of combustion to air. Boiler 1 operating hours 8640 per year
AR4	Combustion	Burning natural gas in direct fired hoods	From combustion of fuel to release of exhaust gases to atmosphere
AR5	Surface Water Drainage		From any point on site to the point of entry to the surface water drainage system.
AR6	Treatment of Water	Treatment of water abstracted from the River Lune for use in permitted installation.	From the treatment of abstracted water to its transfer into the process.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Original Application BJ9410	The response to question 2.3 given in section B2.3 of the application.	22/02/01
	Schedule 4 Notice No.2 dated 04/10/2001: Response to questions 5 (a and b).	29/11/01
Response to Regulation 60 Notice dated 21/11/14	Technical standards detailed in response to BAT conclusions 1, 2, 5, 6, 7, 12, 17, 18, 47, 52 and 53 of the notice provided under Regulation 60 of Environmental Permitting Regulations. Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions for production of pulp, paper and board	30/03/15
Response to IC3 of Variation EPR/UP3237ES/V002	All Parts	By 01/03/17

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC 1	The Operator shall submit, for approval by Environment Agency, a report setting out progress to achieving the 'Narrative' BAT where BAT is currently not achieved, but will be achieved before 30 September 2018. The report shall include, but not be limited to, the following: 1) Methodology for achieving BAT. 2) Associated targets / timelines for reaching compliance by 30 September 2018 3) Any alterations to the initial plan – for progress reports The report shall address BATc: 53.	Completed 17/03/2017
IC 2	The Operator shall submit to the Environment Agency for approval, a report detailing the process monitoring required under Table S3.4 of this permit, for particulate emissions from air emission points A3 and A6 listed in table S3.1 of this permit. The submission shall make reference to techniques used to minimise and manage the release of particulate matter including; the source of particulate matter; available abatement/control measures; monitoring techniques/methods and inspection frequencies.	Completed 11/10/2018
IC 3	The Operator shall undertake a drainage survey/review of the drainage arrangements to ensure that the process and surface water drains are accurately identified and recorded. The drainage plans shall be updated accordingly and shall identify emission points to sewer and controlled waters. Copies of the updated drainage plans shall be submitted to the Environment Agency.	30/06/2025

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	-

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 Identified on site plan in Schedule 7	Exhaust from the drying cylinder on the paper machine	Water Vapour	No limit set	-	-	-
A2 Identified on site plan in Schedule 7	Exhaust from hoods on the paper machine.	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limits set	-	-	-
		Carbon Monoxide (CO)				
A3 Several points at upper levels around the mill Identified on site plan in Schedule 7	Existing air extraction fans serving the mill	Particulate Matter	No limit set	-	-	-
A4 Identified on site plan in Schedule 7	Mist System	-	-	-	-	-
A5 Identified on site plan in Schedule 7	Boiler 1 operated on Natural Gas	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	200 mg/m ³ Limit applies from 01/01/2025 <small>Note 1</small>	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	MCERTS BS EN 14792
		Carbon Monoxide (CO)	No limit set	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	MCERTS BS EN 15058
A6 Identified on site plan in Schedule 7	Dust Removal	Particulate Matter				
A7 Identified on site plan in	Vacuum System	-	-	-	-	-

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
Schedule 7						
Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O2 content of 6% for solid fuels, 15% for engines and gas turbines and 3% all other MCPs.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 Surface water drainage system	Uncontaminated surface water	No parameters set	No limit set	-	-	-

Table S3.3 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 on site plan in Schedule 7 Emission to United Utilities Sewer	Site effluent treatment plant	Metals Total and Dissolved (Zn, Cu, Cd, Pb, Ni, Hg)	-	Spot sample	Twice a year	BS EN ISO 15586 BS EN ISO 17294 BS EN ISO 17852 for Hg only
S1 on site plan in Schedule 7 Emission to United Utilities Sewer	Site effluent treatment plant	Hazardous Pollutants screen ^{note 1}	-	Spot sample	Twice a year	GCMS analysis at UKAS accredited laboratory
Note 1: Hazardous pollutants screen substances are: Chlorpyrifos, Cypermethrin, Endosulphan (A & B), 4- nonylphenols & Nonylphenol ethoxylates, PCP, TBT.						

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Abstracted water inlet	Hazardous Pollutants screen ^{note 1}	Twice per annum as per discharge monitoring	GCMS analysis at UKAS accredited laboratory	Spot sample
S1 on site plan in Schedule 7	Chemical oxygen demand (COD)	monthly	BS ISO 15705	Daily composite sample (flow proportional) "or as

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Emission to United Utilities Sewer				otherwise agreed with the Environment Agency”
S1 on site plan in Schedule 7 Emission to United Utilities Sewer	Total suspended solids (TSS)	monthly	BS EN 872	Daily composite sample (flow proportional)
A3, A6	Particulate Matter	As agreed in writing with the Environment Agency		
Note 1: Hazardous pollutants screen substances are: Chlorpyrifos, Cypermethrin, Endosulphan (A & B), 4- nonylphenols & Nonylphenol ethoxylates, PCP, TBT.				

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to sewer Parameters as required by condition 3.5.1	S1	Every 6 months	1 January, 1 July
Emissions to air (MCP) Parameters as required by condition 3.5.1.	A5 (MCP)	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	1 January

Parameter ^{note 1}	Frequency of assessment	Units	Units
Water inputs to the Mill ^{note 1}	Annually	tonnes	m ³ /t
Water used in manufacturing ^{note 1}	Annually	tonnes	m ³ /t
Other inputs of water/moisture ^{note 1}	Annually	tonnes	m ³ /t
Water outputs ^{note 1}	Annually	tonnes	m ³ /t
Waste/raw material inputs ^{note 1}	Annually	tonnes	
Waste/raw material outputs ^{note 1}	Annually	tonnes	
Net total annual paper production ^{note 1}	Annually	tonnes	

Note 1. All to be monitored and reported in accordance with associated guidance note issued with the permit.

Media/parameter	Reporting format	Date of form
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	01/08/16
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	01/08/16
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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

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

“ADt” means Air Dried Tonnes (of pulp) expressed as 90% dryness. ADt for paper should be reported at “normal” or average moisture content for the production over the course of any one year, noted but not corrected.

“annually” means once every year.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

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

“compliance date” means 01/01/2025 for existing MCPs with net rated thermal input of greater than 5MWth or 01/01/2030 for existing MCPs with a net rated thermal input of less than or equal to 5MWth.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“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.

“existing medium combustion plant” means an MCP in operation before 20 December 2018.

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

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

“medium combustion plant” or “MCP” means a combustion plant with a net rated thermal input equal to or greater than 1 MW but less than 50 MW.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

Net production is as follows:

- i) For paper mills: the unpacked, saleable production after the last slitter winder, i.e. before converting.
- (ii) For off-line coaters: production after coating.
- (iii) For tissue mills: saleable tonnes after the tissue machine before any rewinding processes and excluding any core.
- (iv) For market pulp mills: tonnage after packing (pulp at 90 % dryness, i.e. 'air dry' - AD).

(v) For integrated pulp mills: net pulp production refers to the tonnage after packing (pulp at 90 % dryness, i.e. AD) plus the pulp transferred to the paper mill (pulp calculated at 90 % dryness, i.e. air dry). For the net paper production of the integrated mill refer to (i)

“operating hours” means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

Total nitrogen (Tot-N). Total nitrogen (Tot-N) given as N, The sum of organic nitrogen, free ammonia and ammonium ($\text{NH}_4^+\text{-N}$), nitrites ($\text{NO}_2^- \text{-N}$) and nitrates ($\text{NO}_3^- \text{-N}$).

Total phosphorus (Tot-P). Total phosphorus (Tot-P) given as P, includes dissolved phosphorus plus any insoluble phosphorus carried over into the effluent in the form of precipitates or within microbes.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

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.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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