



**Cyfoeth
Naturiol**
Cymru
**Natural
Resources**
Wales

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Sofidel UK Limited

**Baglan Paper Mill
Brunel Way
Baglan Energy Park
Briton Ferry
Neath
United Kingdom
SA11 2FP**

**Permit number
EPR/BU2489IT**

Baglan Paper Mill

Permit number EPR/BU2489IT

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The main purpose of the activities at the installation is to produce paper tissue from imported wood pulp. The paper tissue is formed into a variety of products including toilet paper and kitchen rolls.

Pre-formed virgin wood pulp is imported in the form of bales. Water is added and then the diluted wood pulp is spread and dried to form tissue paper, which is then converted into the final products. The water removed during the drying process is recycled via the on-site primary wastewater treatment plant.

Steam for the papermaking process is generated by two boilers, as follows:

- 1 x 10.5MWth natural gas-fired boiler (A5. Unique identifier 9113), which is classed as an existing MCP; and
- 1 x 9.1MWth solid biomass (virgin woodchip) boiler (A6. Unique identifier 141688), which is classed as new MCP.

MCP A5 is permitted to operate for 8,760 hours per year and MCP A6 is permitted to operate for 8,600 hours per year.

Emissions to water are treated by on-site secondary water treatment plant before being discharged. The effluent plant consists of a bioreactor and a Dissolved Air Flotation Unit. The treated water is discharged into the Welsh Water outfall and then via a series of diffusers into Swansea Bay.

There are a number of SSSI in the area, which include Crymlyn Bog, Crymlyn Burrows, Pant-y-Sais and the Earlswood Road Cutting and Ferryboat Inn Quarries.

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

Status log of the permit		
Description	Date	Comments
Application BU2489 received (EPR/BU2489IT/A001)	31/03/2003	-
Response to request for information	1 st Schedule 4 notice, Dated 19/05/2003	Response received 03/07/03
	2 nd Schedule 4 notice, Dated 24/07/2003	Response received 08/09/03
Request by Environment	Request	Request accepted 22/09/03

Status log of the permit

Description	Date	Comments
Agency to extend determination from 30/10/03 to 30/12/03	dated 10/09/2003	
Permit determined BU2489	30/01/2004	-
Variation application received (EPR/BU2489IT/V002)	18/07/2006	Determined 13/9/2006
Variation Initiated by the Environment Agency (EPR/BU2489IT/V003)	08/08/2007	Determined 22/8/2007
Regulation 16 Application (EPR/BU2489IT/V004)	28/03/2008	-
Variation Initiated by the Environment Agency GP3636XZ (EPR/BU2489IT/V005)	29/03/2008	Determined 8/5/2008
Variation application EPR/BU2489IT/V006	08/02/2010	Determined 22/02/10
Environment Agency Paper and Pulp Sector Review 2011 Variation determined EPR/BU2489IT/V007	09/01/2012	Varied and consolidated permit issued in modern condition format
Regulation 60 Notice	19/11/2014	Request for Operator to demonstrate compliance with revised technical standards detailed in revised BREF Note.
Regulation 60 response	30/03/2015	Operator response providing information to demonstrate that relevant BAT conclusions are met for the production of paper, pulp and board
Variation application received (PAN-000045)	14/12/2015	Application to include 8MWth waste wood co-incineration plant for generation of steam
Natural Resources Wales Variation Application EPR/BU2489IT/V008 (Variation and Consolidation)	31/03/2016	Natural Resources Wales Variation and consolidation following the implementation of the Industrial Emissions Directive
Additional information requested	14/04/2016	Electronic copy of Opra spreadsheet, clarification of CEMS failure procedure, and waste codes to be accepted, requested
Additional information received	04/05/2016	Electronic copy of Opra spreadsheet, clarification of CEMS failure procedure, and waste codes

Status log of the permit

Description	Date	Comments
		to be accepted, received
Variation application PAN-000045 Variation number EPR/BU2489IT/V009 (Variation and Consolidation)	03/06/2016	Variation determined. Permit varied and consolidated to include 8 MWth waste wood co-incineration plant.
Application EPR/BU2489IT/T010	Duly made 15/10/2019	Application to transfer the permit in full from Intertissue Limited to Sofidel UK Limited
Application determined EPR/BU2489IT/T010	11/12/2019	Full transfer of permit complete
Variation application EPR/BU2489IT/V011	Duly made 01/06/2022	
Variation determined EPR/BU2489IT/V011 (variation and consolidation)	06/09/2022	Variation determined. Permit varied and consolidated to add new emission point A7.
Regulation 61(1) notice	28/07/2023	Request for operator to provide information on all Medium Combustion Plant within the range 5-50MW net rated thermal input
Regulation 61(1) notice response	Received 23/11/2023	Confirmation of the presence of Medium Combustion Plant within the range 5-50MWth
Variation application EPR/BU2489IT/V012	Duly made 14/07/2025	Application to remove the 8MWth input waste wood co-incinerator and include a 9.1MWth input virgin woodchip MCP
Variation determined EPR/BU2489IT/V012 (variation and consolidation)	13/08/2025	Permit varied and consolidated to remove the 8MWth input waste wood co-incinerator and include a 9.1MWth input virgin woodchip MCP, and to include conditions, monitoring and reporting requirements relevant to the site's 10.5MWth existing natural gas-fired boiler MCP.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/BU2489IT

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BU2489IT/V012 authorising,

Sofidel UK Limited (“the operator”),

whose registered office is

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

company registration number **02245657**

to operate an installation at

**Baglan Paper Mill
Brunel Way
Baglan Energy Park
Briton Ferry
Neath
United Kingdom
SA11 2FP**

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

Name	Date
Jennifer McGuire	13/08/2025

Authorised on behalf of Natural Resources Wales

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.2 Energy efficiency

1.2.1 The operator shall:

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

1.3 Efficient use of raw materials

1.3.1 The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in blue on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.

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

2.3.2 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.

2.3.3 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.

2.3.4 For the following activities referenced in schedule 1, table S1.1 (A5 and A6) the activities shall be operated using the techniques and in the manner described in schedule 1, table S1.2A.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Monitoring

- 3.3.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1 and S3.2.
- 3.3.2 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.
- 3.3.3 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by Natural Resources Wales.
- 3.3.4 For the following activities referenced in schedule 1, table S1.1 (A5 and A6), monitoring shall not take place during periods of start up or shut down
- 3.3.5 For the following activities referenced in schedule 1, table S1.1 (A5 and A6), the operator shall maintain records of all monitoring including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, test and surveys and any assessment or evaluation made on the basis of such data.

- 3.3.6 For the following activities referenced in schedule 1, table S1.1 (A5 and A6), the first monitoring measurements shall be carried out
- (a) For new MCP within four months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later; and
 - (b) For existing MCP within four months of the issue date of the permit, unless otherwise agreed in writing by Natural Resources Wales.
- 3.3.7 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.

3.4 Odour

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

3.5 Noise and vibration

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

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:

- (a) if notified by Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by Natural resources Wales

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.1.3 For the following activities referenced in schedule 1, table S1.1 (A5 and A6), the operator shall maintain a record of the type and quantity of fuel used and the total annual hours of operation for each MCP.

4.1.4 For the following activities referenced in schedule 1, table S1.1 (A5 and A6) the operator shall maintain a record of any events of non-compliance and the measures taken to ensure compliance is restored in the shortest possible time.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data; 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 Natural Resources Wales, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.3; 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 Natural Resources Wales, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
- (i) inform Natural Resources Wales,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) in the event of a breach of any permit condition the operator must immediately—
- (i) inform Natural Resources Wales, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1(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 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

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

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

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

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

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

4.3.6 Natural Resources Wales shall be given at least 14 days notice before implementation of any part of the site closure plan.

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

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

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	S6.1 A1 (b)	Producing, in industrial plant, paper and board where the plant has a production capacity of more than 20 tonnes per day. Production of paper tissue in one paper machine.	Receipt of paper pulp and other raw materials to dispatch of finished goods
A2	S5.4 A1 (a) (ii)	Physico-chemical treatment	Effluent from paper mill and on-site power generation facility only

Directly Associated Activity

A4	Combustion Plant	2 x 6.3 MWth natural gas-fired paper driers.	Combustion of fuel to release of combustion gases to atmosphere.
----	------------------	--	--

Medium Combustion Plant

Activity reference	Activity listed in the EP Regulations	Description of Medium Combustion Plant	Fuel	Operating hours limit per year
A5. Unique identifier 9113	Schedule 25A – Medium Combustion Plant as detailed in Schedule 8	1 x 10.5 MWth boiler	Natural gas	Not limited
A6. Unique identifier 141688	Schedule 25A – Medium Combustion Plant as detailed in Schedule 8	1 x 9.1 MWth boiler	Solid biomass	8600

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The responses to questions B2.1, B2.2, B2.3, B2.4, B2.5, B2.6, B2.7.1, B2.7.2, B2.7.3, B2.8, B2.9, B2.10, B2.11 and B3.1 given in Sections 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7.0, 2.7.1, 2.7.2, 2.7.3, 2.8, 2.9, 2.10, 2.11 and Part 3 of the application	31 March 2003
Response to 1 st Schedule 4 notice	All responses	03 July 2003
Response to 2 nd Schedule 4 notice	All responses	08 September 2003
Variation Application	All	17 July 2006
Regulation 16 Application	All	28 March 2008

Table S1.2 Operating techniques

Description	Parts	Date Received
Report on monitoring standards for discharges to surface waters received in response to IC1 issued 9 th January 2012	Full report	03 April 2012
Regulation 60 Notice response	All parts including supporting documents	30 March 2015
Application PAN-018219 (Variation number EPR/BU2589IT/V011)	Application supporting documents: <ul style="list-style-type: none"> - Non-technical report normal variation Sofidel UK Baglan - Sofidel UK Baglan site layout indicating new stack location A7 	01/06/2022

Table S1.2A Operating techniques for Medium Combustion Plant as detailed in Schedule 8

Description
Each MCP must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this
The operator must keep periods of start-up and shut-down of each MCP as short as possible
There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993

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

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

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A2 on site plan	Particulate matter	Paper machine dust removal.	10 mg/m ³	Spot	Six Monthly	BS EN 13284-1
A3 on site plan	Particulate matter	Exhaust to reel system	10 mg/m ³	Spot	Six Monthly	BS EN 13284-1
A4 on site plan	No parameters set	Gas hood exhaust	No limit set	-	-	-
A7 on site plan	Water vapour	Exhaust fan from mechanical (paper) drier	No limit set	-	No monitoring required	-
Emission point reference & location	Source/technology	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A5	Existing medium combustion plant other than engines and gas turbines fuelled on natural gas	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	200mg/m ³	Periodic	Every 3 years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every 3 years	MCERTS BS EN 15058
A6	New medium combustion plant other than engines and gas turbines fuelled on solid biomass	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	300mg/m ³	Periodic	Every 3 years	MCERTS BS EN 14792
		Dust	30mg/m ³	Periodic	Every 3 years	MCERTS BS EN 13284-1
		Carbon monoxide	No limit set	Periodic	Every 3 years	MCERTS BS EN 15058

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method [Note 1]
W1 [SS 72540 91890]	Maximum Daily Flow	On-site biological effluent treatment plant	850m ³ /day [Note 2]	24 hours	Continuous	MCERTS self-monitoring of effluent flow scheme
W1 [SS 72540 91890]	Mean Daily Flow	On-site biological effluent treatment plant	-	24 hours	Daily	MCERTS self-monitoring of effluent flow scheme
W1 [SS 72540 91890]	Flow rate	On-site biological effluent treatment plant	30 l/s	Instantaneous	Continuous	MCERTS self-monitoring of effluent flow scheme
W1 [SS 72540 91890]	Temperature	On-site biological effluent treatment plant	40°C	Instantaneous	Continuous	Standard temperature sensor
W1 [SS 72540 91890]	pH maximum	On-site biological effluent treatment plant	9	Instantaneous	Continuous	MCERTS self-monitoring of effluent flow scheme
W1 [SS 72540 91890]	pH minimum	On-site biological effluent treatment plant	6	Instantaneous	Continuous	MCERTS self-monitoring of effluent flow scheme
W1 [SS 72540 91890]	Suspended solids	On-site biological effluent treatment plant	100mg/l	Spot sample	Daily	BS EN 872:2005
W1 [SS 72540 91890]	Chemical Oxygen Demand (COD)	On-site biological effluent treatment plant	No limit set	Spot sample	Daily	MCERTS - Performance Standards and Test Procedures for Continuous Water Monitoring Equipment
W1 [SS 72540 91890]	Total Nitrogen	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Weekly	MCERTS - Performance Standards and Test Procedures for Continuous Water Monitoring Equipment
W1 [SS 72540 91890]	Total Phosphorous	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Weekly	MCERTS - Performance Standards and Test Procedures for Continuous Water Monitoring Equipment
W1 [SS 72540 91890]	Biological Oxygen Demand (BOD)	On-site biological effluent treatment plant	25mg/l	24-hour flow proportional composite sample	Weekly	MCERTS - Performance Standards and Test Procedures for Continuous Water Monitoring Equipment

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method [Note 1]
W1 [SS 72540 91890]	AOx	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Every two months	BS EN ISO 9562 or other method as agreed in writing with Natural Resources Wales
W1 [SS 72540 91890]	Total cadmium and its compounds	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Quarterly	BS EN ISO 5961:1995
W1 [SS 72540 91890]	Individual concentrations of the following total and dissolved metals and their compounds: Fe, Pb, Zn, As, Cu, Cr, Ni and Cd	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Annually	BS EN ISO 15586:2003
W1 [SS 72540 91890]	Total mercury and its compounds	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Quarterly	BS EN 1483:2007
W1 [SS 72540 91890]	Priority Hazardous Substances Screen	On-site biological effluent treatment plant	No limit set	24-hour flow proportional composite sample	Annually	GC/MS analysis to be carried out by UKAS accredited laboratory
W2 (SS 73061, 93116) [Note 3]	-	Uncontaminated surface water	No limit set	-	-	-
W3 (SS 73083, 93137) [Note 3]	-	Uncontaminated surface water	No limit set	-	-	-

Note 1: Where in-house analysis is used for compliance assessment purposes, a duplicate sample shall be sent for external analysis (UKAS/ ISO17025) at a six monthly frequency.

Note 2: Limit does not apply to start up or shut down periods.

Note 3: The receiving waters are the River Neath via an oil interceptor.

Table S3.3 Annual limits

Substance	Medium	Limit (including unit)
Chemical Oxygen Demand (COD)	Water	1.5 kg/t
Total suspended solids (TSS)	Water	0.35 Kg/t
Total nitrogen	Water	0.15 kg/t
Total phosphorus	Water	0.012 kg/t
Adsorbable organically bound halogens (AOX)	Water	0.05 kg/t

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.3.1.	A2, A3	Every 6 months	30/09/2018
Emissions to air Parameters as required by condition 3.3.6	A5	Every 3 years	1 Jan
Emissions to air Parameters as required by condition 3.3.6	A6	Every 3 years from date of acceptance of first monitoring measurements under condition 3.3.6	1 Jan

Table S4.2 Performance parameters

Parameter	Frequency of assessment	Units
Total Energy Used	Annually	MWh
Effluent discharged	Quarterly	m ³
Water usage	Annually	Tonnes
Chemical Oxygen Demand	Annually	kg/t
Total Suspended Solids	Annually	kg/t
Total Nitrogen	Annually	kg/t
Total Phosphorus	Annually	kg/t
Adsorbable organically bound halides (AOX)	Annually	kg/t

Table S4.3 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	30/09/18
Water	Form water 1 or other form as agreed in writing by Natural Resources Wales	30/09/18
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	30/09/18
Resource Efficiency	Form Performance 2 or other form as agreed in writing by Natural Resources Wales	30/09/18
Energy usage	Form Energy 1 or other form as agreed in writing by Natural Resources Wales	30/09/18

Schedule 5 - Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified within 24 hours 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 permit condition	
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	
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) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:

To be notified within 24 hours 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. AOX is adsorbable organic halides measured according to the EN ISO:9562 standard method for waste waters.

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

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

“*compliance date*” means 01/01/2025 for existing MCPs and a tranche A specified generator with net rated thermal input of greater than 5MW or 01/01/2030 for existing MCPs and a tranche A specified generator with a net rated thermal input of less than or equal to 5MW

“*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..

“*emissions to land*” includes emissions to groundwater

“*EP Regulations*” means The Environmental Permitting (England and Wales) Regulations SI 2016 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.

“*existing MCP*” means an MCP first put into operation before 20/12/2018.

“*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

“*ISO*” means International Standards Organisation.

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

“*medium combustion plant*” or “*MCP*” means a combustion plant with a 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.

“*new MCP*” means an MCP first put into operation on or after 20/12/2018

“*Pests*” means *Birds, Vermin and Insects*.

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

“*quarterly*” for reporting/sampling means after/during each 3 month period, January to March; April to June; July to September and October to December and, when sampling, with at least 2 months between each sampling date.

“*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.

Water Framework Directive Priority Hazardous Substances are Anthracene, Brominated diphenyl ether, Cadmium, C10-13 Chloroalkanes, Endosulphan, Hexachlorobenzene, Hexachlorobutadiene, Hexachloro-cyclohexane, Mercury and its compounds, Nonylphenol (4-Nonylphenol), Pentachlorobenzene, Polycyclic aromatic Hydrocarbons (PAHs), Tributyltin compounds (Tributyltin-cation)

“*year*” means calendar year ending 31 December.

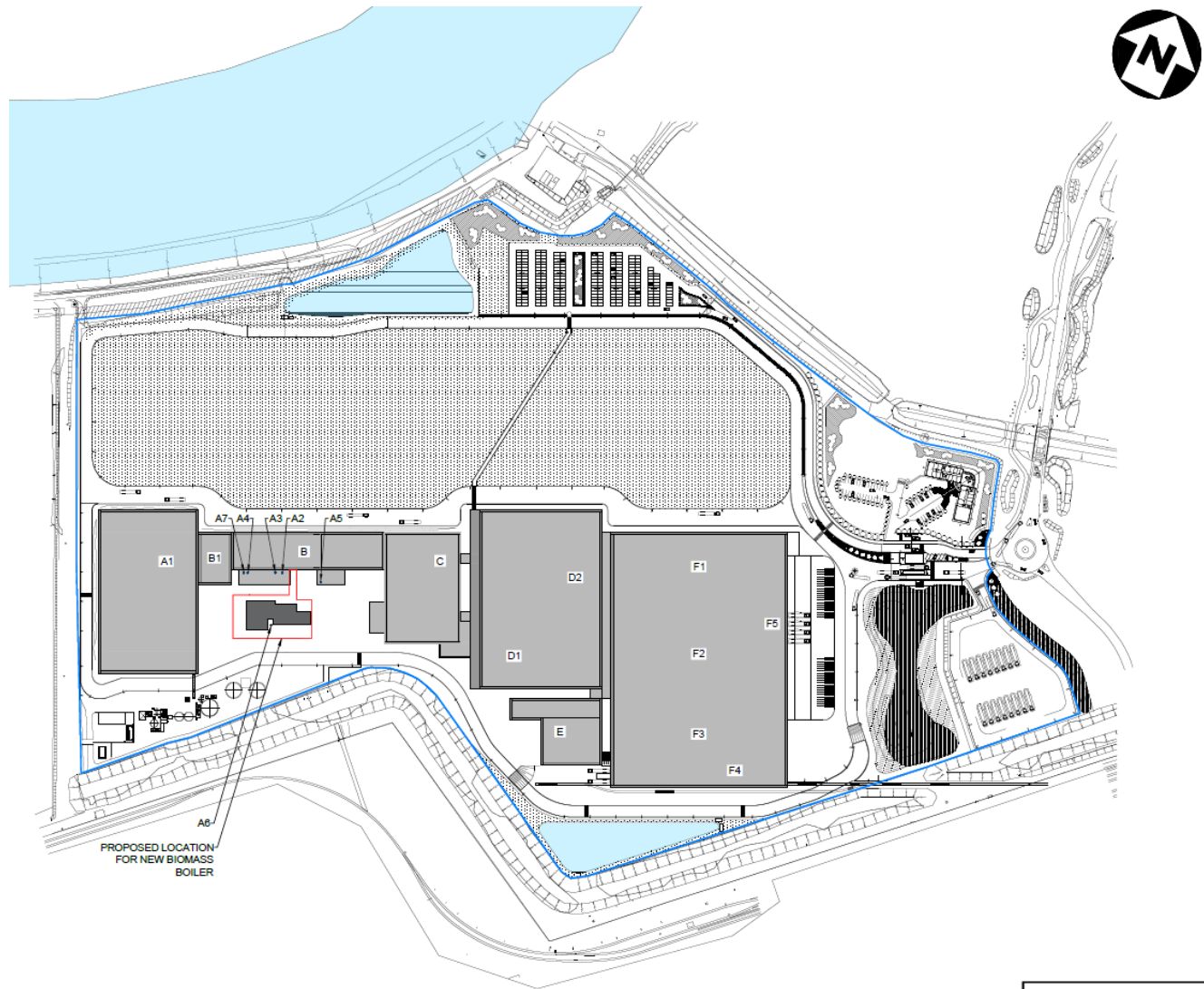
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- (a) 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
- (b) 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; and/or
- (c) in relation to gases from co-incineration plants the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 6% dry

'The calculation for converting mg/m³ to kg/t can be found in Annex 1 of the Manufacture of Paper, Pulp and Board Best Available Techniques Reference document (BRef) published on 26 September 2014.'

Schedule 7 - Site plan



Schedule 8 – Annex I of MCPD

MCP Identifier	A5 Unique Identifier 9113
1. Rated thermal input (MW) of the medium combustion plant.	10.5
2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).	Other medium combustion plant
3. Type and share of fuels used according to the fuel categories laid down in Annex II.	100% natural gas
4. Date of the start of the operation of the medium combustion plant or, where the exact date of the start of the operation is unknown, proof of the fact that the operation started before 20 December 2018.	01/01/2006
5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code).	C.17.1.2 - Manufacture of paper and paperboard
6. Expected number of annual operating hours of the medium combustion plant and average load in use.	Not limited Average load in use is 100%
7. Where the option of exemption under Article 6(3) or Article 6(8) is used, a declaration signed by the operator that the medium combustion plant will not be operated more than the number of hours referred to in those paragraphs.	Not applicable
8. Name and registered office of the operator and, in the case of stationary medium combustion plants, the address where the plant is located.	<p>Sofidel UK Limited</p> <p><u>Registered Office Address</u></p> <p>Brunel Way Baglan Energy Park Briton Ferry Neath Wales SA11 2FP</p> <p><u>Plant Location</u></p> <p>Baglan Paper Mill Brunel Way Baglan Energy Park Briton Ferry Neath Wales SA11 2FP</p>

MCP Identifier	A6 Unique identifier 141688
1. Rated thermal input (MW) of the medium combustion plant.	9.1
2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).	Other medium combustion plant
3. Type and share of fuels used according to the fuel categories laid down in Annex II.	100% solid biomass
4. Date of the start of the operation of the medium combustion plant or, where the exact date of the start of the operation is unknown, proof of the fact that the operation started before 20 December 2018.	Scheduled for 01/11/2025
5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code).	C.17.1.2 - Manufacture of paper and paperboard
6. Expected number of annual operating hours of the medium combustion plant and average load in use.	8600 hours of operation per year Average load in use is 100%
7. Where the option of exemption under Article 6(3) or Article 6(8) is used, a declaration signed by the operator that the medium combustion plant will not be operated	Not applicable

<p>more than the number of hours referred to in those paragraphs.</p>	
<p>8. Name and registered office of the operator and, in the case of stationary medium combustion plants, the address where the plant is located.</p>	<p>Sofidel UK Limited</p> <p><u>Registered Office Address</u></p> <p>Brunel Way Baglan Energy Park Briton Ferry Neath Wales SA11 2FP</p> <p><u>Plant Location</u></p> <p>Baglan Paper Mill Brunel Way Baglan Energy Park Briton Ferry Neath Wales SA11 2FP</p>

END OF PERMIT