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# **Notice of variation with introductory note**

Environmental Permitting (England & Wales) Regulations 2016

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Solway Foods Limited

RF Brookes (Solway Foods)  
Rogerstone Park  
Azalea Road  
Newport  
NP10 9SA

Variation application number  
EPR/UP3237CP/V005

Permit number  
EPR/UP3237CP

# **RF Brookes (Solway Foods)**

## **Permit number EPR/UP3237CP**

### **Introductory note**

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

The following notice gives notice of the variation of an environmental permit.

The permit is varied as a result of an application by the operator to add a Combined Heat & Power (CHP) plant to site. The new plant will be housed in its own building, located within the existing Installation boundary. The plant has a thermal input of 6.075 MWth and will be fuelled by natural gas. As the CHP is new plant it is subject to the requirements of the Medium Combustion Plant (MCP) Directive. The plant is both a MCP and Specified Generator (SG) (Tranche B). There is one new emission to air (A10) as a result of the variation.

The schedules specify the changes made to the original permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application BP3007IM	Received 02/09/2004	
Additional information requested	13/12/2004	
Additional information received	14/12/2004	
Additional information requested	07/02/2005	
Additional information received	22/02/2005	
Additional information requested	10/03/2005	
Additional information received	15/03/2005	
Permit determined	29/04/2005	
Variation application TP3030XS	Received 04/10/2007	
Variation notice TP3030XS issued	21/12/2007	
Transfer application LP3035XM	Received 04/10/2007	
Additional information received	07/01/2008	
Transfer determined EPR/LP3035XM	30/01/2008	
Transfer application EPR/UP3237CP/T001 (full transfer of permit EPR/LP3035XM)	Duly Made 09/08/2012	Application to transfer the permit in full to Solway Foods Limited.
Transfer determined (EPR/UP3237CP/V002)	07/09/2012	Full transfer of permit complete.
Agency variation determined EPR/UP3237CP/V002	25/03/2013	Agency variation to implement the changes introduced by IED.
Variation application received EPR/UP3237CP/V003	29/04/2013	Application to extend permit boundary and add two point source emissions to air.
Variation application determined EPR/UP3237CP/V003	29/07/2013	
Variation application received EPR/UP3237CP/V004	Duly Made 07/07/2015	Application to cover an additional production area and add two point source emissions to air.
Variation application determined EPR/UP3237CP/V004	07/10/2015	Variation notice issued to Solway Foods Limited.

Variation application received EPR/UP3237CP/V005	Duly Made 04/10/2018	Application to add a CHP plant.
Variation determined EPR/UP3237CP/V005	18/01/2019	Variation notice issued to Solway Foods Limited.

End of introductory note

## Notice of variation

Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number  
**EPR/UP3237CP**

issued to:  
**Solway Foods Limited** (“the operator”)

whose registered office is

**Trinity Park House  
Fox Way  
Wakefield  
West Yorkshire  
WF2 8EE**

company registration number **02189139**

to operate a regulated facility at

**RF Brookes (Solway Foods)  
Rogerstone Park  
Azalea Road  
Newport  
NP10 9SA**

to the extent set out in the schedules.

Name

Date

**Holly Noble**

**18/01/19**

Authorised on behalf of Natural Resources Wales

## Schedule 1 – conditions to be deleted

None.

## Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator.

Table S1.1 shall be amended to:

<b>Table S1.1 activities</b>		
<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
Section 6.8 Part A(1)(d)(i) Treating and processing of raw materials intended for the production of food products - animal raw materials (other than milk) at plant with a finished production capacity of more than 75 tonnes per day.	Manufacture of chilled and frozen foods	Receipt of raw materials to despatch of finished product.
Section 5.4 Part A(1)(a)(ii) Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by physico-chemical treatment.	Effluent Treatment	Receipt of site effluent to despatch to sewerage undertaker.
<b>Medium Combustion Plant</b>		
Schedule 25A – MCP (as detailed in Schedule 6 of permit) and Schedule 25B Specified Generator	1 x 6.075 MWth CHP plant fuelled by natural gas NGR: ST 25054 89489	From receipt of fuel to emission of combustion products. Includes 2 x 5000 litre double skinned fuel tanks for the storage of lubricating oil. Operating hours not restricted.
<b>Directly Associated Activity</b>		
Production of steam and heating for supplying primary heating associated with the above S6.8 activity	From receipt of fuel to emission of combustion products	
Disposal of surface water to the River Ebbw	From collection to discharge into a controlled watercourse	
Storage and disposal of waste	From generation of waste to despatch off site	

## 2.1 In-process controls

Table 2.1.1 is amended to the following:

<b>Table 2.1.1 Operating Techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Original Permit Application	The response to questions 2.1 and 2.2 and B9 given in sections B2.1.15, B2.2.1-2.2.5, 2.1.18, 2.3.1-2.3.6, 2.10.8-2.10.15, 2.10.19, B9.0.1 of the application.	02/09/2004
Submission in response to Improvement Programme Item – IP2 BM3007IM	All	20/10/2005
Submission in response to Improvement Programme Item – IP3 BM3007IM	All	26/05/2006
Submission in response to Improvement Programme Item – IP4 BM3007IM	All	19/01/2007
Submission in response to Improvement Programme Item – IP5 BM3007IM	All	22/02/2006
Submission in response to Improvement Programme Item – I62 BM3007IM	All	27/01/2006
Application EPR/UP3237CP/V003	All	29/04/2013
Application EPR/UP3237CP/V004	All	06/07/2015
Document “Supporting Information in Respect of Application to vary Permit”	All	05/07/2018
<b>Additional operating techniques for Medium Combustion Plant (as detailed in Schedule 6), and Specified Generators</b>		
<ul style="list-style-type: none"> <li>(a) Each MCP and generator must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this.</li> <li>(b) The operator must keep periods of start-up and shut-down of each MCP and generator as short as possible.</li> <li>(c) There must be no persistent emission of ‘dark smoke’ as defined in section 3(1) of the Clean Air Act 1993.</li> <li>(d) The stack must be vertical and unimpeded by cowls or caps.</li> </ul>		

Condition 2.2.1 shall be amended to:

### **2.2.1 Emissions to air, (including heat, but excluding odour, noise or vibration) from specified points**

2.2.1.2 Emissions to air from the emissions points in Table 2.2.1 shall only arise from the sources specified in that Table. The limits given in Table 2.10.1 shall not be exceeded.

Table S2.2.1 shall be amended to:

<b>Table 2.2.1 Emission points to air</b>		
<b>Emission point reference</b>	<b>Source</b>	<b>Location</b>
A1 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Odour abatement (1 <sup>st</sup> plant)	Anguil odour stack – NE corner of main production building
A2 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Raising steam 20 bar	Steam boiler No1 - Energy centre building
A3 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Raising steam 10 bar	Steam boiler No2 - Energy centre building
A4 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Raising steam 10 bar	Steam boiler No3 - Energy centre building
A5 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Primary heating fryers	Thermal oil generator - Energy centre building
A6 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Odour abatement (2 <sup>nd</sup> plant)	Thermal oxidiser unit
A7 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Oven discharge stack	Yorkshire pudding ovens – west side of site
A8 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Thermal Oil Boiler Stack)	Oriental Plant LHS
A9 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Thermal Oil Boiler Stack	Oriental Plant RHS
A10 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	CHP (Rogerstone Park CHP - Jenbacher (Clarke Energy – C3748))	Rear of energy centre



Table S2.10.1 shall be amended to:

<b>Table S2.10.1 Other Monitoring Requirements</b>						
<b>Emission point reference</b>	<b>Parameter</b>	<b>Limit</b>	<b>Reference period</b>	<b>Monitoring Frequency</b>	<b>Monitoring Method (Note<sup>1</sup>)</b>	<b>Other specifications</b>
S1– as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V003	Effluent Flow Rate	No limit set	Daily average	Continuous	As agreed in improvement programme number 7	To commence on completion of improvement programme number seven.
S1– as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V003	COD	No limit set	Quarterly	Spot sample	BS ISO 15705:2002, BS 6068-2.80:2002	
S1– as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V003	Suspended solids	No limit set	Quarterly	Spot sample	BSEN872:1996, BS6068 2.54:1996	
S1– as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V003	pH	No limit set	Monthly	Spot sample	BS6068-2.50:1995, ISO 10523:1994	
A1-A9 as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limit set	Annual	Spot sample	ISO 10849	
A1-A9 as on revised site plan	Carbon Monoxide	No limit set	Annual	Spot sample	ISO 12039	

in Schedule 4 of Variation Notice EPR/UP3237CP/V005						
A1-A9 as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Particulates	No limit set	Annual	Spot sample	BSISO 9096	
A10 – as on revised site plan in Schedule 4 of Variation Notice EPR/UP3237CP/V005	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	95 mg/m <sup>3</sup>	In line with NRW TGN M5	Every 3 years	NRW TGN M5	
	Carbon monoxide	No limit set	In line with NRW TGN M5	Every 3 years		
Note <sup>1</sup> - Or to an EN, BS, ISO or SCA blue book standard as agreed in writing with Natural Resources Wales.						

Table S2 shall be amended to:

Table S2 Reporting of Monitoring Data			
Parameter	Emission point	Reporting period	Period begins
Cadmium and its compounds (g/year)	S1	Annually	01/01/2005
Mercury and its compounds (g/year)	S1	Annually	01/01/2005
Cadmium and its compounds (µg/l)	S1	Annually	01/01/2005
Mercury and its compounds (µg/l)	S1	Annually	01/01/2005
Effluent Flowrate m <sup>3</sup> /hr	S1	Every 6 months	01/01/2005
pH	S1	Every 6 months	01/01/2005
Suspended solids	S1	Annually	01/01/2005
COD	S1	Annually	01/01/2005
Oxides of nitrogen as NO <sub>2</sub>	A1-A9	Annually	29/07/2013
Carbon Monoxide	A1-A9	Annually	29/07/2013
Particulates	A1-A9	Annually	29/07/2013
Water Usage	A1-A7	Annually	29/07/2013
Energy Usage	A1-A10	Annually	29/07/2013
Waste Disposal and/or recovery	A1-A7	Annually	29/07/2013
Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	A10	Every 3 years	18/01/2019
Carbon Monoxide	A10	Every 3 years	18/01/2019

Table S3 is amended as follows:

Table S3 Reporting Forms		
Media/parameter	Form number	Date of form
Air	A1	18/01/19
Sewer	S1	30/01/08
Energy	E1	18/01/19
Waste Return	R1	30/01/08
Water usage	WU1	30/01/08
Performance indicators	PI1	30/01/08

The following interpretations are added to Section 6 of the Permit:

*“Combined Heat & Power” (CHP) or Cogeneration means the simultaneous generation in one process of thermal energy and electrical or mechanical energy.*

*“First put into operation” means that the plant must have been fired with its design fuel up to its full load. This can be, but does not have to be, during commissioning.*

*“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.*

*“NRW TGN M5” means the ‘Environment Agency Technical Guidance Note M5: Monitoring of stack gas emissions from medium combustion plants and specified generators’ guidance published on [naturalresourceswales.gov.uk](http://naturalresourceswales.gov.uk)*

*“Specified generator” has the meaning given in paragraph 2(1) of Schedule 25B of The EP Regulations.*

### **Schedule 3 – conditions to be added**

The following conditions are added as a result of the application made by the operator:

#### **2.7 Energy efficiency**

2.7.4 The operator shall provide and maintain steam and/or hot water pass-outs such that opportunities for the use of waste heat may be capitalised upon should they become practicable.

2.7.5 The operator shall review the practicability of Combined Heat and Power (CHP) implementation at least every 2 years. The results shall be reported to Natural Resources Wales within 2 months of each review.

#### **2.10 On-site monitoring**

2.10.11 For MCP activities referenced in Table S1.1 the first monitoring measurements shall be carried out within four months of the issue date of the permit variation or the date when the MCP is first put into operation, whichever is later.

### **3 Records**

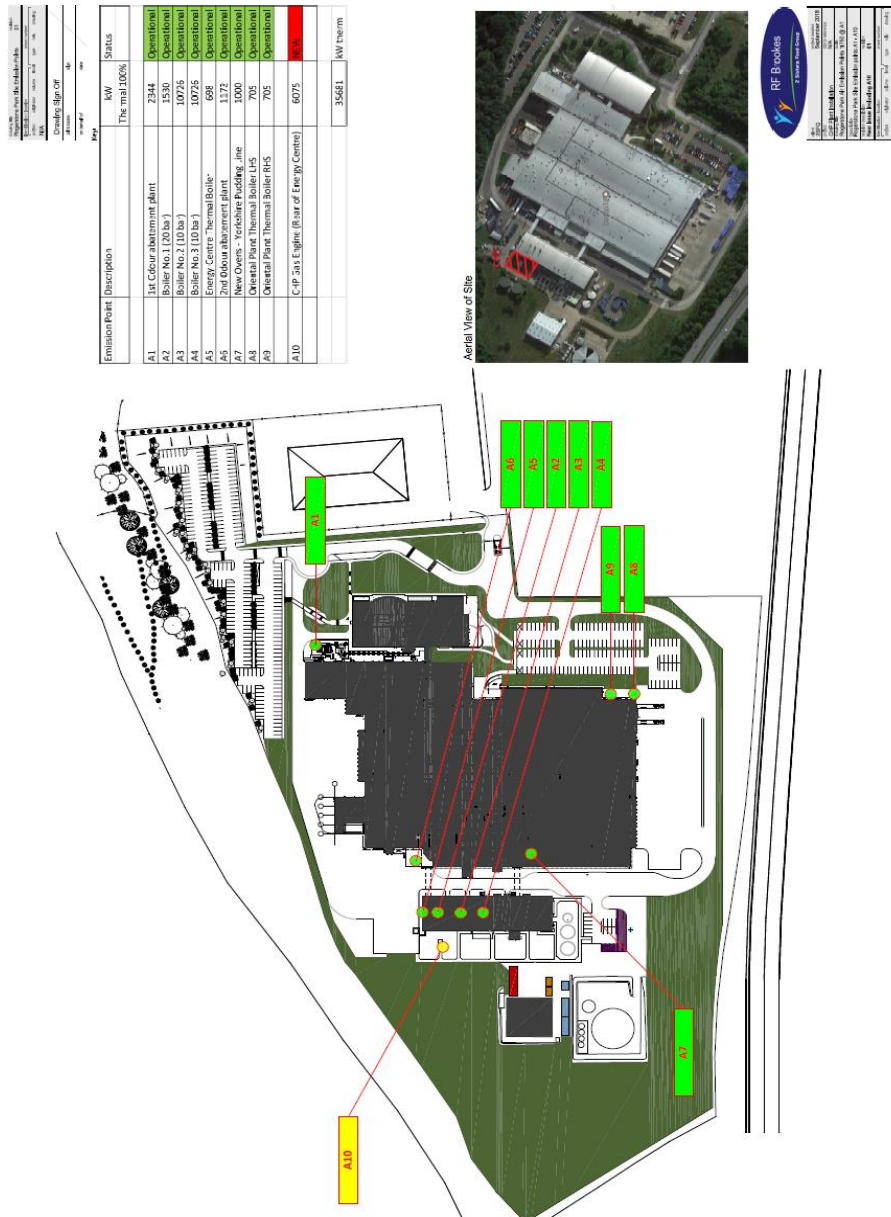
3.1.8 The operator shall maintain a record of the type and quantity of fuel used and the total annual hours of operation for each MCP and/or generator.

A new Schedule is added to the permit, Schedule 6, to meet the requirements of Annex 1 of the MCP Directive.

Schedule 6 – Annex 1 of MCP

<b>MCP identifier</b>	Rogerstone Park CHP – A10 – Jenbacher (Clarke Energy – C3748)
<b>1. Rated thermal input (MW) of the medium combustion plant.</b>	6.075 MWth
<b>2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).</b>	Other engine
<b>3. Type and share of fuels used according to the fuel categories laid down in Annex II.</b>	Natural gas 100%
<b>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.</b>	18/01/19
<b>5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code).</b>	1085
<b>6. Expected number of annual operating hours of the medium combustion plant and average load in use.</b>	8000 Hours 85% Average load in use
<b>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.</b>	N/A

Amended plan attached showing point source emissions to air



END OF VARIATION NOTICE