

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Sensient Flavors Limited

**Felinfach Food Flavors Factory
Felinfach
Lampeter
Ceredigion
SA48 8AG**

Variation number

EPR/BL5644IK/V007

Permit number

EPR/BL5644IK

Felinfach Food Flavors Factory

Permit number EPR/BL5644IK

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.

This variation adds four 65 kW thermal input liquified petroleum gas (LPG) (propane gas) boilers to the installation to supply hot water to a vaporiser circuit. The combined thermal input is 260 kW and none of the boilers are considered Medium Combustion Plant as are under 1 MW thermal input each. The four boilers are added to the permit as a directly associated activity, the total thermal input at the site remains below 20 MW. A small parcel of land is also added to the installation boundary to incorporate the area where the boilers are located. The site plan has been amended to incorporate the four emission points and the change in the installation boundary.

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.

Status log of the permit		
Description	Date	Comments
Application BL5644	Duly made 15/11/01	Application received for a new permit for the production of food flavourings from the hydrolysis of vegetable matter.
Schedule 4 request for more information made	13/12/01	Monitoring data requested from applicant
Request made by applicant to extend Schedule 4 deadline	27/12/01	
Request accepted	04/01/02	
Request made by applicant to extend Schedule 4 deadline	18/04/02	
Request accepted	20/04/02	
Additional information received in response to Schedule 4 request on 13/12/01	29/07/02	Monitoring data received
Schedule 4 request for more information made	27/09/02	
Additional information received in response to Schedule 4 request on 27/09/02	29/10/02	
Additional information received in response to	06/03/03	

Schedule 4 request on 27/09/02		
Request made to extend determination deadline	10/01/03	
Request to extend determination deadline accepted	13/01/03	
Permit determined BL5644	26/03/03	Permit issued to Sensient Flavors Limited
Variation Application TP3138XD	28/02/08	Application received to change installation boundary and install new rotary vacuum filter, hydrolysis reactor scrubber and filter press scrubber.
Variation determined TP3138XD	28/04/08	Varied permit issued
Variation Application EPR/BL5644IK/V003	Duly made 29/09/09	Application received for the installation of a new boiler
Variation determined EPR/BL5644IK/V003	09/09/10	Varied permit issued
Variation Application EPR/BL5644IK/V004	28/05/13	Application received.
Application withdrawn by applicant EPR/BL5644IK/V004	03/07/13	Application withdrawn by applicant
Variation Application EPR/BL5644IK/V005	Duly Made 12/01/16	
Additional Information requested	11/03/16	Information relating to drainage, air emission point locations and storage of fuel
Additional Information Received	31/03/16	
Variation Determined EPR/BL5644IK/V005	24/05/16	
Variation Application EPR/BL5644IK/V006	Duly Made 15/03/2022	Application received to extend installation boundary and add a new Medium Combustion Plant/Specified Generator.
Variation Determined EPR/BL5644IK/V006	26/05/2022	Varied permit issued.
Variation Application EPR/BL5644IK/V007	Duly made 09/01/2023	Variation to add four boilers to installation.
Variation Determined EPR/BL5644IK/V007	17/01/2023	Variation determined.

Other Part A installation permits relating to this installation

Operator	Permit number	Date of issue
Sensient Flavors Limited & Volac International Limited	EPR/BP3135EB	04/07/14

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/BL5644IK

issued to:

Sensient Flavors Limited (“the operator”)

whose registered office is

**Bilton Road
Bletchley
Milton Keynes
Buckinghamshire
MK1 1HP**

company registration number **01514781**

to operate an installation at

**Felinfach Food Flavors Factory
Felinfach
Lampeter
Ceredigion
SA48 8AG**

to the extent set out in the schedules.

The notice shall take effect from 17/01/2023.

Signed

Date

Holly Noble	17/01/2023
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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 is amended and now reads as follows:

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	S4.2 A (1) (b)	Manufacturing activity which is likely to result in the release into the air of any hydrogen halide	Production of hydrolysed vegetable protein from the reaction of hydrochloric acid and vegetable matter
Directly Associated Activity			
A2	Storage and handling of raw materials	Raw material storage, handling, preparation and transfer	From the receipt of raw materials to their transfer to the hydrolysis reactor vessel
A3	Site generated energy supply for process	Generation of energy, steam and heat including 4x 65 kWth input boilers	Those boilers that provide energy for the Company's activities. Boilers to be run on LPG under normal conditions and fuel oil should

			the need arise.
A4	Processing of the product	Processing of the product including neutralisation, filtration, blending, drying, bagging etc.	From production of flavourings to the final product storage areas
A5	Handling and storage of solid wastes	Handling and storage of solid wastes	From the point of production of any solid wastes to their collection, storage and transfer offsite
A6	Handling and storage of liquid wastes	Handling and storage of liquid wastes including abatement scrubber liquors, process liquors, wash waters, other effluents and cooling waters	From the point of production of any liquid wastes to their collection, treatment and transfer offsite
A7	The operation and control of emission abatement systems	The operation and control of emissions abatement systems	Operation of dosing and abatement scrubbers for air emissions and effluent treatment
A8	Handling and storage of fuel on site	Storage and handling of Liquefied Petroleum gas (LPG)	Liquefied Petroleum Gas (LPG) delivered to site to be used in the boilers and thermo-fluid systems. Maximum of 24 tonnes to be kept on-site at any one time

Medium Combustion Plant

National Grid Reference and or activity reference	Activity listed in the EP Regulations	Description of Medium Combustion Plant and/or Specified Generator	Limits of specified activity
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A9	Schedule 25A – Medium Combustion Plant and Schedule 25B – Specified Generator	1x 2.079 MWth input Combined Heat and Power Engine fuelled on LPG as detailed in Schedule 8	From receipt of fuel to release of combustion products to air
NGR: SN 519 575			Operating hours not restricted

- Table S1.2 is amended and now reads as follows:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	B.2.1, B.2.2, B.2.3, B.2.4, B.2.5, B.2.6, B.2.7, B.2.8, B.2.9, B.2.10, B2.11	15/11/01
Response to first Schedule 4 part 1 notice (13/12/01)	Response to questions 1 and 2	29/07/02
Response to second Schedule 4 part 1 notice (27/09/02)	Response to questions 3-16	29/10/02 & 06/03/03
Application EPR/BL5644IK/V003	Report variation 2009	29/09/09
Application EPR/BL5644IK/V005	All parts of application forms	22/12/15
Application EPR/BL5644IK/V005	Updated Odour Management Plan	22/12/15
Application EPR/BL5644IK/V005	Updated Emission point location points	22/12/15
Application EPR/BL5644IK/V005	Non-Technical Summary and information. Parts 1 – 4	22/12/15
Additional	Updated drainage map, emission points, confirmation	31/03/16

Information Received	of storage plans and emissions to air	
Application EPR/BL5644IK/V006	Supporting Information R1_Clean: Non-technical summary, section 2.1, 2.2, 2.3. 2.4, 2.5, 2.6, 2.7, 4.2, 4.3, 4.4, 4.5 and 4.6	08/10/21
Application EPR/BL5644IK/V007	Document reference: Sensient Flavors Limited EP Variation – LPG Boiler Supporting Information dated 14/10/2022, sections 2.2 and 2.7	14/10/2022

- Table S3.1 is amended and now reads as follows:

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
A1 (Point A1 as shown on site plan in Schedule 7)	Hydrochloric acid bulk tank scrubber	Gaseous chlorides (as HCl)	10 mg m ⁻³	Hourly	Quarterly	Monitoring methods used shall be in accordance with Environment Agency guidance “ <i>Monitoring stack emissions: techniques and standards for periodic monitoring</i> ” - GOV.UK (www.gov.uk)
A2 (Point A2 as shown on site plan in Schedule 7)	Hydrolysis Reactor scrubber	Gaseous chlorides (as HCl)	No limit set	Hourly	Quarterly	
		Particulate	20 mg m ⁻³	Hourly	Quarterly	
		Volatile Organic Compounds (as Carbon)	No limit set	Hourly	Quarterly	
A3 (Point A3 as shown on site plan in Schedule 7)	Neutraliser scrubber	Gaseous chlorides (as HCl)	No limit set	Hourly	Quarterly	
		Particulate	20 mg m ⁻³	Hourly	Quarterly	
		Ammonia	20 mg m ⁻³	Hourly	Quarterly	
		Volatile Organic Compounds (as Carbon)	No limit set	Hourly	Quarterly	
	Filter press scrubber (pH adjustment)	Particulate	20 mg m ⁻³	Hourly	Quarterly	
		Ammonia	No limit set	Hourly	Quarterly	

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
A4 (Point A4 as shown on site plan in Schedule 7)		Volatile Organic Compounds (as Carbon)	40 mg m ⁻³	Hourly	Quarterly	
A5 (Point A5 as shown on site plan in Schedule 7)	Reaction flavour scrubber (reaction flavours)	Particulate	20 mg m ⁻³	Hourly	Quarterly	
		Ammonia	No limit set	Hourly	Quarterly	
		Volatile Organic Compounds (as Carbon)	No limit set	Hourly	Quarterly	
A6 (Point A6 as shown on site plan in Schedule 7)	Drytec scrubber (spray drier)	Particulate	20 mg m ⁻³	Hourly	Quarterly	Monitoring methods used shall be in accordance with Environment Agency guidance “ <i>Monitoring stack emissions: techniques and standards for periodic monitoring</i> ” - GOV.UK (www.gov.uk)
		Volatile Organic Compounds (as Carbon)	40 mg m ⁻³	Hourly	Quarterly	
A7 (Point A7 as shown on site plan in Schedule 7)	Eva scrubber (spray drier)	Particulate	20 mg m ⁻³	Hourly	Quarterly	
		Volatile Organic Compounds (as Carbon)	40 mg m ⁻³	Hourly	Quarterly	

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	
A9 (Point A9 as shown on site plan in Schedule 7)	Press hood vent		No Monitoring Required				
A11 (Point A11 as shown on site plan in Schedule 7)	Finished liquor processing area LEV (No. 1)	Volatile Organic Compounds (as Carbon)	No limit set	Hourly	6 monthly	Monitoring methods used shall be in accordance with Environment Agency guidance “ <i>Monitoring stack emissions: techniques and standards for periodic monitoring</i> ” - GOV.UK (www.gov.uk)	
A12 (Point A12 as shown on site plan in Schedule 7)	Finished liquor processing area LEV (No. 2)	Volatile Organic Compounds (as Carbon)	No limit set	Hourly	6 monthly		
A13 (Point A13 as shown on site plan in Schedule 7)	Boiler Flue No. 1		No Monitoring Required				
A14 (Point A14 as shown on site plan in Schedule 7)	Boiler Flue No. 2		No Monitoring Required				

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
A16 (Point A16 as shown on site plan in Schedule 7)	Soda ash silo vent				No Monitoring Required	
A17 (Point A17 as shown on site plan in Schedule 7)	Maize silo vent No.1				No Monitoring Required	
A18 (Point A18 as shown on site plan in Schedule 7)	Soya silo vent No. 2				No Monitoring Required	
A19 (Point A19 as shown on site plan in Schedule 7)	Micropul vacuum outlet				No Monitoring Required	
A20 (Point A20 as shown on site plan in Schedule 7)	Drytec Wanson boiler flue				No Monitoring Required	
A22 (Point A22 as shown on site plan in Schedule 7)	Eva Wanson boiler flue				No Monitoring Required	

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
A23 (Point A23 as shown on site plan in Schedule 7)	1 MT blender bagging LEV				No Monitoring Required	
A25 (Point A25 as shown on site plan in Schedule 7)	Seasoning blender charging LEV				No Monitoring Required	
A27 (Point A27 as shown on site plan in Schedule 7)	Cooling tower				No Monitoring Required	
A28 (Point A28 as shown on site plan in Schedule 7)	Yeast storage tank vent				No Monitoring Required	
A29 (Point A29 as shown on site plan in Schedule 7)	Yeast storage tank vent				No Monitoring Required	
A30 (Point A30 as shown on site plan in Schedule 7)	Yeast storage tank vent				No Monitoring Required	

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
A31 (Point A31 as shown on site plan in Schedule 7)	Yeast storage tank vent			No Monitoring Required		
A32 (Point A32 as shown on site plan in Schedule 7)	Yeast storage tank vent			No Monitoring Required		
A33 (Point A33 as shown on site plan in Schedule 7)	1x 2.079 MWth input CHP engine	Sulphur dioxide	15 mg/Nm ³ ^{Note 1}	Periodic (average over one hour)	Every 3 years ^{Note 2}	MCERTS BS EN 14791
		Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	190 mg/Nm ³ ^{Note 1}	Periodic (average over one hour)	Every 3 years ^{Note 2}	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic (average over one hour)	Every 3 years ^{Note 2}	MCERTS BS EN 15058
A34 – A37 (Points A34 – A37 as shown on site plan in Schedule 7)	4x 65 kWth input boilers	No parameter set	No limit set	No monitoring required		

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

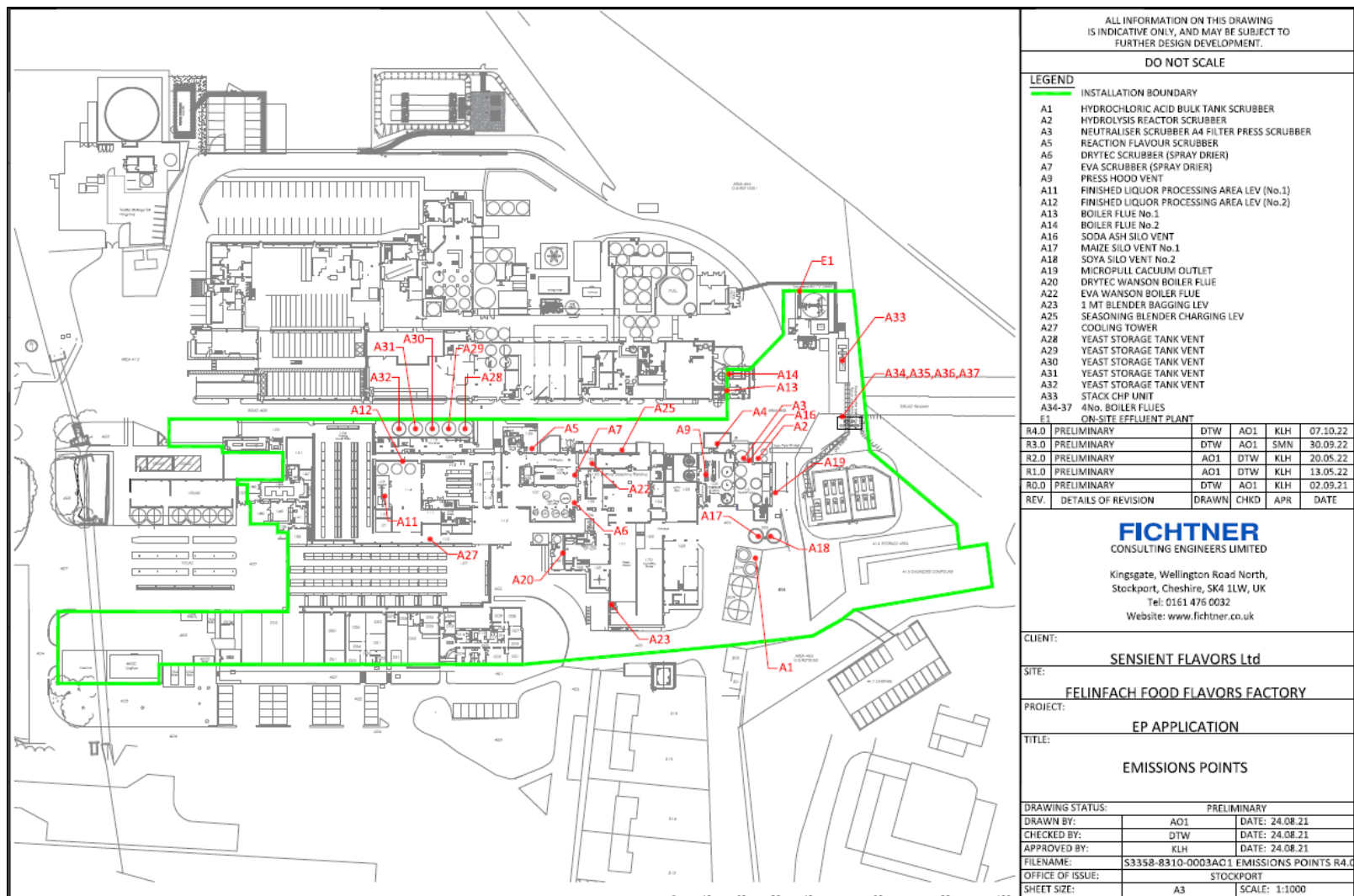
Note 2: As per condition 3.5.5, the first monitoring measurements will be carried out within four months of the issue date of the permit variation or the date when the MCP is first put into operation whichever is later

Schedule 3 – conditions to be added

None

Schedule 4 – amended plan

The site plan is amended and is as follows:



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