

Permit Number: **EPR/BP3135EB**

Operator: **Sensient Flavours Ltd & Volac International Ltd**

Facility: **Felinfach Effluent Treatment Plant**

Form Number: **Water1**

Date of Form: **04/07/14**

Reporting of emissions to water (other than to sewer) and land for the period from January 1st 2017 to December 31st 2017

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Total volume of treated effluent	2750 m ³ /day	24 hours	2707m3	MCERTS self-monitoring of effluent flow scheme	17 th May	99%
	Maximum Flow Rate	37 l/s	Instantaneous	0.030		daily	
	pH range	6 - 9	Instantaneous	6.97 – 7.5			99%
	COD	No Limit Set	24 hr composite	280	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	6/05/17	98%
	BOD	100 mg/l	Spot Sample	25.2		16/02/17	
	Total Suspended Solids	150 mg/l	24hr composite	128		11/07/17	
	Colour (Platinum – Cobalt scale)	No limit set (Hazen Units)	Spot Sample	89	Colorimetric analysis at 400 nm	16/02/2017	99%
	Total Copper and its compounds	No Limit Set	IC2 completed	na	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
	Total Lead and its compounds			na			
	Total Cadmium and its compounds			na			
	Total Mercury and its compounds			na			
	Total Phosphate			na			
	Total Ammonia			na			
Total Nitrogen	na						

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed Byron Williams

Date 25/01/18

(Authorised to sign as representative of Sensient Flavours Limited and Volac International Limited)

Permit Number: **EPR/BP3135EB**

Operator: **Sensient Flavors Ltd & Volac International Ltd**

Facility: **Felinfach Effluent Treatment Plant**

Form Number: **Performance1**

Date of Form: **04/07/14**

Reporting of other performance indicators for the January 1st 2017 **to** December 31st 2017

Parameter	Units
Treated liquid effluent discharged at W1	m ³ 712288
Sludge collected for off-site recovery	m ³ 26773
Sodium Hydroxide usage	m ³ 780

Operator's comments :

Throughput has increased through the plant by 4% this is due mainly to increased production at Volac and Sensient. This includes all rainfall at both sites. We are now trending actual rainfall since August 2017. We are investigating rainfall segregation.

Sludge collected from site has increased again due to production increases at both sites.

Sludge dewatering trials have been undertaken and results look very positive.

The green light has been given for water recovery project on site this should reduce discharge at W1 by approx. 600m³ per day. This project will Be completed during 2018.

Signed Byron Williams Date...25/01/18.....
(Authorised to sign as representative of Sensient Flavours Limited and Volac International Limited)

