

Permit Number: **EPR/BP3135EB**

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

Facility: **Felinfach Effluent Treatment Plant**

Form Number: **Water1**

Date of Form: **09/02/2020**

**Reporting of emissions to water (other than to sewer) and land for the period from January 1<sup>st</sup> 2020 to December 31<sup>st</sup> 2020**

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
W1	Total volume of treated effluent	2750 m <sup>3</sup> /day	24 hours	2700m3	MCERTS self-monitoring of effluent flow scheme	30 <sup>th</sup> Sept	99%
	Maximum Flow Rate	37 l/s	Instantaneous	31l/s		daily	99%
	pH range	6 - 9	Instantaneous	6.7 – 7.70		7/12/20 8am	99%
	COD	No Limit Set	24 hr composite	534	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	19/02/20 8am	98%
	BOD	100 mg/l	24 hr composite	6.83		26/11/20 8am	98%
	Total Suspended Solids	150 mg/l	24hr composite	111	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	19/02/20 8am	98%
	Colour (Platinum – Cobalt scale)	No limit set (Hazen Units)	24 hr composite	45.7		Colorimetric analysis at 400 nm	14/02/2020 8am
	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 09/02/20

(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: **04/02/19**

**Reporting of other performance indicators for the** January 1<sup>st</sup> 2020 **to** December 31<sup>st</sup> 2020

Parameter	Units
Treated liquid effluent discharged at W1	m <sup>3</sup> 557720
Sludge collected for off-site recovery	m <sup>3</sup> 35616
Sodium Hydroxide usage	m <sup>3</sup> 845

Operator's comments :

Volumetric throughput has increased although the loading has decreased due to higher production at the Volac site.. This includes all rainfall at both sites. We have looked at segregation but this does not look practical at this moment

Sludge dewatering project is under way and should be completed by end of March 21, this should reduce our sludge export by 30%.  
A new water recovery plant is up and running and has reduced discharge at W1 by 39%.

Signed Byron Williams

Date...04/02/19.....

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

