

Permit Number: BP3135EB

Operator: Sensient Flavors and Volac International Limited

Facility: Felinfach Effluent Treatment Plant

Form Number: Water1 / 09/09/2021

Reporting of emissions to water for the period from 01/01/2021 to 31/12/2021

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
W1	Total volume of treated effluent	2,750 m ³ /day	24 Hour		2558	MCERTS self-monitoring of effluent flow scheme	02/09/2021	99%
	Maximum flow rate	37 l/s	Instantaneous		29.6l/s		02/09/2021	99%
	pH range	6-9	Instantaneous		6.98- 7.65		daily	99%
	Chemical oxygen demand (COD)	No limit set	24hr composite			As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		98%
	Biological oxygen demand (BOD)	100 mg/l	24hr composite		73mg/l		27/08/2021	
	Total suspended solids	150 mg/l	24hr composite		134mg/l		24/11/2021	

Emission Point	Substance / Parameter	Emission		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value	Reference Period				
	Colour (platinum – cobalt scale)	No limit set (Hazen units)	24hr composite	56.2	Colorimetric analysis at 400 nm	29/10/2021	99%
	Total ammonia	No limit set	24hr composite		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
	Total nitrogen (Total N)		24hr composite	9.96		29/08/2021	
	Total phosphorus (Total P)		24hr composite	11.9		27/08/2021	

[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.

SignedByron Williams.....
(Authorised to sign as representative of Operator)

Date.....27/01/2022.....

