

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 01/01/2022 to 16/08/22

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 hours	2133	MCERTS self-monitoring of effluent flow scheme	22/4/22	99%
	Maximum flow rate	37 l/s		Instantaneous	24		Daily	
	pH range	6-9		Instantaneous	6.28 8.46			99%
	Chemical oxygen demand (COD)	No limit set		24 hr composite	310	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	19/07/22	
	Biological oxygen demand (BOD)	100 mg/l		Spot Sample`				
	Total suspended solids	150 mg/l		24hr composite	141		18/07/22	
	Colour (platinum – cobalt scale)	No limit set (Hazen units)		Spot Sample`	6.4	Colorimetric analysis at 400 nm		99%
	Total ammonia	No limit set			0.35mg/l	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	22/03/22	
	Total nitrogen (Total N)				0.48mg/l		22/03/22	
	Total phosphorus (Total P)				26300ug/l		18/02/22	

- [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.....31/01/2023.....