

Permit Reference Number : UP3237CP

Operator : Solway Foods Ltd

Installation : Rogerstone Park

Form Number : S1

Reporting of Emissions to Sewer for the period from Jan 1st 2021.....to...Dec 31st 2021

Water Use - 767,491 m³

Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]
S1	pH	6-11	5.6		Monthly	Welsh Water	
S1	Flow Rate	2000 / day	1844 m3/day	Welsh Water	Fortnightly	MCERTS meter	
S1	COD		828.3	Chemical Oxygen Demand (dichromate Value) of Polluted and waste waters 1986 (2 nd Edition)	1 st Jan 21-31 st Dec 21	Hmso isbn:011 7519154	3.5% High Standard
S1	Suspended solids		354.6	Suspended,Settleable & total dissolved Solids in waters and effluents 1980	1 st Jan 21-31 st Dec 21	Hmso isbn 01751957x	19.7% High Standard
S1	Cadmium	0.01 mg/l ^[6]	0.0000050	Mass Calc Balance	1 st Jan 21-31 st Dec 21	Supplier/MSDS	
S1	Mercury	0.0001 mg/l ^[6]	0.0000101	Mass Calc Balance	1 st Jan 21-31 st Dec 21	Supplier/MSDS	
S1	Cadmium and its compounds	2800 g/year ^[6]	4.051g/year	Mass Calc Balance	1 st Jan 21-31 st Dec 21	Supplier/MSDS	
S1	Mercury and its compounds	330 g/year ^[6]	8.120g/year	Mass Calc Balance	1 st Jan 21-31 st Dec 21	Supplier/MSDS	

Notes – The pH average is provided here. The sewerage undertaker (Welsh Water) is aware of the occurrence of a few non compliance tests with regard to pH. An appropriate remediation improvement plan has been put in place in relation to pH correction. In addition, the site is adding further DAF treatment capacity, which will assist in retention times (noted as root cause) of effluent prior to discharge.

There is significant reduction in Suspended Solids and COD final discharge loading for 2021.

The same total quantity of Mercury and cadmium in products, and same amount of products were used in the mass balance calculation. This is because the same products in similar quantities were used on site. The figures are so far below the emission limits that it was considered a differentiation of a few litres of cleaning product was negligible. 2021 water usage was used.

[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 the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

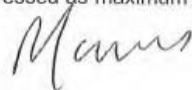
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated).

[6] The emission limit values for cadmium and mercury are expressed as maximum individual values.

Signed Robert Davies (Site Engineering Manager)
(authorised to sign as representative of the Operator)



Date: 28th January 2022