

Permit Reference Number : BP1772IZ

Operator : Poeton (Cardiff) Ltd

Installation : Poeton (Cardiff) Ltd

Form Number : S1

Reporting of Emissions to Sewer for the period from July 2021 to December 2021 (Inclusive)

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	pH	Minimum 6 Maximum 11	6.5	Welsh Water	12/08/2021 11.49		
			10.1	Welsh Water	21/09/2021 09.52		
			6.03	Internal	30/11/2021 09.30		
			10.94	Internal	19/10/2021 09.30		
S1	Cadmium and its compounds	0.3 mg/l	0.132	Welsh Water	07/12/2021 09.44		
			0.250	Internal	18/11/2021 09.30		
S1	Mercury and its compounds	0.005 mg/l	/	/	/		
S1	Total flow		There is no upper limit to the consent flow				
S1	Free Cyanide	1.0 mg/l	0.303	Welsh Water	21/09/2021 09.52		
			0.96	Internal	22/12/2021 09.30		
S1	Chromium and its compounds	2.0 mg/l	0.7	Welsh Water	07/12/2021 09.44		
			1.0	Internal	02/12/2021 09.30		

[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)

Signed
(authorised to sign as representative of the Operator)

Date.. 28/1/2022

Permit Reference Number : BP1772IZ

Operator : Poeton (Cardiff) Ltd

Installation : Poeton (Cardiff) Ltd

Form Number : E1

Reporting of Energy Usage for the year2021.....

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh	2953.7	502.3
Gas	tonnes	208.4	35.4
TOTAL	-	3162.1	537.7

Year	Trends in Energy Usage Parameter	
	Primary Energy usage	CO ₂ produced
2014	2913.6	492.4
2015	2968.4	549.1
2016	3844.6	649.1
2017	3642.5	619.5
2018	3867.4	657.7
2019	4242.6	721.5
2020	3095.2	526.3
2021	3162.1	537.7

* Conversion factor for delivered electricity to primary energy $\times 2.4$

Primary to CO₂ $\div 5.88$

Operator's comments :

Signed 
 (authorised to sign as representative of the Operator)

Date 28/1/2022

Permit Reference Number : BP1772IZ

Operator : Poeton (Cardiff) Ltd

Installation : Poeton (Cardiff) Ltd

Form Number : R1

Reporting of Waste Disposal and Recovery for the year2021.....

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
(1) Non-Filter Cake Waste		28.9	
(2) Filter Cake	None		
Total hazardous waste		28.9	
TOTAL WASTE	-	28.9	

Trends in Waste Disposal and Recovery			
Year	Parameter		Total Hazardous Waste (Tonnes)
	Waste 1 HAZ	Waste 2 Recycle	
2016	4.9	7	4.9
2017	2.7	5	2.7
2018	4.9	13.3	4.9
2019	11	17.5	11
2020	26.7	22.8	26.7
2021	28.9	14.7	28.9

Operator's comments :

Signed.....
(authorised to sign as representative of the Operator)

Date.....28/1/2022.....

Permit Reference Number : BP1772IZ

Operator : Poeton (Cardiff) Ltd

Installation : Poeton (Cardiff) Ltd

Form Number : WU1


Reporting of Water Usage for the year2021.....

Water Source	Usage (m ³)
Welsh Wabers Main	31676 m ³
TOTAL WATER USAGE	

Trends in Water Usage			
Year	Named Water source	Total Water usage (m ³)	Water per unit output / MR
2016	WW	26170	3.42
2017	WW	24225	3.41
2018	WW	23285	3.27
2019	WW	50124	7.96
2020	WW	33637	5.39
2021	WW	31676	5.00

} m³/hr

Operator's comments :

Signed.....
(authorised to sign as representative of the Operator)

Date...28/1/2022.....

Permit Reference Number : BP1772IZ

Operator : Poeton (Cardiff) Ltd

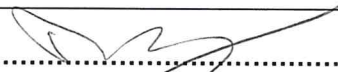
Installation : Poeton (Cardiff) Ltd

Form Number : MR1

Mass Release		
Parameter	Limit	kg
Cadmium and its compounds	10.4 Kg	0.75
Mercury and its compounds	0.106 Kg	0.000002

Trends in Mass Release			
Year	Parameter		
	Mercury	Cadmium kg	
2015	0.005 mg	0.65	
2016	0.005 mg	1.43	
2017	0.005 mg	0.25	
2018	0.002 mg	0.64	
2019	0.002 mg	0.24	
2020	0.002 mg	1.88	
2021	0.002 mg	0.75	

Operator's comments :

Signed 
(authorised to sign as representative of the Operator)

Date..... 28/1/2022