

RELEASES TO CONTROLLED WATER

Reporting of emissions to Water (other than sewer) for the period from;

01/08/2021 to 31/08/2021

OPERATOR: Uskmouth Power Company FORM: W1

LOCATION: Newport

PERMIT/VARIATION NUMBER: LP3131SW

Emission Point	Substance/ Parameter	ELV	Result (1)	Test Method (2)	Sample date and time(3)	Accreditation/ Certification(4)	Uncertainty (5)
W1a	Total Suspended Solids	75 mg/l	<5	BS En 872:2005	10/08/2021 (09:10)	UKAS 1314 ALS	19.70%
W1a	pH	6 - 9	7.7	BS6068-2.50:1995	10/08/2021 (09:10)	"	5.60%
W1a	Cadmium	0.01 mg/l	<0.00002	ISO, BS EN or SCA Blue book method	10/08/2021 (09:10)	"	6.60%
W1a	Mercury	0.005 mg/l	<0.00003	ISO, BS EN or SCA Blue book method	10/08/2021 (09:10)	"	7.70%
W1b	Total Suspended Solids	75 mg/l	10	BS En 872:2005	10/08/2021 (09:20)	"	19.70%
W1b	pH	6 - 9	7.7	BS6068-2.50:1995	10/08/2021 (09:20)	"	5.60%
W1b	Cadmium	0.01 mg/l	0.00004	ISO, BS EN or SCA Blue book method	10/08/2021 (09:20)	"	6.60%
W1b	Mercury	0.005 mg/l	0.00072	ISO, BS EN or SCA Blue book method	10/08/2021 (09:20)	"	7.70%
W2	Total Suspended Solids	150 mg/l	<5	BS En 872:2005	10/08/2021 (09:30)	"	19.70%
W2	pH	6 - 9	8.0	ISO, BS EN or SCA Blue book method	10/08/2021 (09:30)	"	5.60%
W2	Temperature	30 ^o C	15	ISO, BS EN or SCA Blue book method	10/08/2021 (09:30)	"	+/- 1°C
W2	Biological Oxygen	100 mg/l	1.0	BS EN 1899-1	10/08/2021 (09:30)	"	20.10%
W2	Zinc	2 mg/l	0.018	BS EN 6068-2.29:1987	10/08/2021 (09:30)	"	6.30%
W2	Copper	0.8 mg/l	0.021	BS EN 6068-2.29:1987	10/08/2021 (09:30)	"	8.00%
W2	Nickel	0.4 mg/l	0.012	BS EN 6068-2.29:1987	10/08/2021 (09:30)	"	7.10%
W2	Lead	0.8 mg/l	<0.001	BS EN 6068-2.29:1987	10/08/2021 (09:30)	"	7.00%
W2	Chromium	0.8 mg/l	<0.001	BS EN 1233:1997	10/08/2021 (09:30)	"	7.60%
W2	Flow	210 litres/ second max		ISO, BS EN or SCA Blue book method		"	0.50%
W2	Flow	19872 m3/day		ISO, BS EN or SCA Blue book method		"	0.50%
W2	Cadmium	0.01 mg/l	0.00003	ISO, BS EN or SCA Blue book method	10/08/2021 (09:30)	"	6.60%
W2	Mercury	0.005 mg/l	0.00008	ISO, BS EN or SCA Blue book method	10/08/2021 (09:30)	"	7.70%

(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.

[6] The emission limit values for all substances is expressed as a maximum individual value

[7] W2 Flow not recorded as station power failure made DCS unavailable

Signed Cara Donovan
(authorised to sign as representative of the Operator)

Date...29/09/21.....