

RELEASES TO CONTROLLED WATER

Reporting of emissions to Water (other than sewer) for the period from: 01/12/2019 to 31/12/2019

OPERATOR: Usknoth 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	15	BS 690:1981 Part 120, No WSLM10	10/12/2019 (14:00)	UKAS 1252 SOCO1EC	19.70%
W1a	pH	6 - 9	7.4	BS 2690:1984 Part 109, No WSLM3	18/12/2019 (09:00)	"	5.60%
W1a	Cadmium	0.01 mg/l	<0.00002	ICPMS, No ICPMSW	10/12/2019 (14:00)	"	6.60%
W1a	Mercury	0.005 mg/l	<0.00003	ICPMS, No ICPMSW	10/12/2019 (14:00)	"	7.70%
W1b	Total Suspended Solids	75 mg/l	16	BS 690:1981 Part 120, No WSLM10	10/12/2019 (14:10)	"	19.70%
W1b	pH	6 - 9	7.6	BS 2690:1984 Part 109, No WSLM3	10/12/2019 (14:10)	"	5.60%
W1b	Cadmium	0.01 mg/l	<0.00002	ICPMS, No ICPMSW	10/12/2019 (14:10)	"	6.60%
W1b	Mercury	0.005 mg/l	<0.00003	ICPMS, No ICPMSW	10/12/2019 (14:10)	"	7.70%
W2	Total Suspended Solids	150 mg/l	13	BS 690:1981 Part 120, No WSLM10	10/12/2019 (14:20)	"	19.70%
W2	pH	6 - 9	8.1	BS 2690:1984 Part 109, No WSLM3	10/12/2019 (14:20)	"	5.60%
W2	Temperature	30°C	16	ISO, BS EN or SCA Blue book method	23/12/2019 (10:30)	"	+/- 1°C
W2	Biological Oxygen Demand	100 mg/l	1.3	DO probe No WSLM20	10/12/2019 (14:20)	"	20.10%
W2	Zinc	2 mg/l	0.031	ICPMS, No ICPMSW	23/12/2019 (10:30)	"	6.30%
W2	Copper	0.8 mg/l	0.004	ICPMS, No ICPMSW	10/12/2019 (14:20)	"	8.00%
W2	Nickel	0.4 mg/l	0.003	ICPMS, No ICPMSW	10/12/2019 (14:20)	"	7.10%
W2	Lead	0.8 mg/l	<0.001	ICPMS, No ICPMSW	10/12/2019 (14:20)	"	7.00%
W2	Chromium	0.8 mg/l	<0.001	ICPMS, No ICPMSW	10/12/2019 (14:20)	"	7.60%
W2	Flow	210 litres/second		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	0.00005	ICPMS, No ICPMSW	18/12/2019 (09:20)	"	6.60%
W2	Mercury	0.005 mg/l	<0.00003	ICPMS, No ICPMSW	10/12/2019 (14:20)	"	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 (authorised to sign as representative of the Operator)

Date 27/01/2020