

Permit Number: EPR/HP3737UE

Operator: Siemens plc

Facility: Severn Power Station

Form Number: Water1 / 10/03/10

Huw Edwards

24 JAN 2010

EHS Manager

Huw Edwards

Reporting of emissions to water (other than to sewer) and land for year commencing January 2018

Month	Emissions Point	Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
January	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Continuous. Pumps operate when pH is between 6 and 9	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	7.8	pH Probe	21 st 00:31	
	W3	pH	No limit set	Monthly spot	6.5	pH Probe	16 th 20:05	
February	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Continuous. Pumps operate when pH is between 6 and 9	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	7.8	pH Probe	10 th 10:09	
	W3	pH	No limit set	Monthly spot	6.4	pH Probe	06 th 12:19	
March	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Continuous. Pumps operate when pH is between 6 and 9	6-9	BS6068-2.50	N/A	
	W2	pH	No limit set	Monthly spot	7.7	pH Probe	18 th 10:20	
	W3	pH	No limit set	Monthly spot	7.4	pH Probe	13 th 16:58	

Month	Emissions Point	Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
April	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	8.1	pH Probe	23 rd 11:20	
	W3	pH	No limit set	Monthly spot	6.8	pH Probe	20 th 23:19	
May	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	8.0	pH Probe	15 th 21:19	
	W3	pH	No limit set	Monthly spot	6.4	pH Probe	18 th 11:54	
June	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	7.4	pH Probe	20 th 21:19	
	W3	pH	No limit set	Monthly spot	6.5	pH Probe	10 th 23:51	

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24 JAN 2023

EHS Manager

H. Edwards

Month	Emissions Point	Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
July	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	8.0	pH Probe	22 nd 21:19	
	W3	pH	No limit set	Monthly spot	6.0	pH Probe	23 rd 04:56	
August	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	7.3	pH Probe	25 th 07:30	
	W3	pH	No limit set	Monthly spot	6.8	pH Probe	28 th 10:01	
September	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	BS6068-2.50	N/A	
	W2	pH	No limit set	Monthly spot	7.6	pH Probe	13 th 03:23	
	W3	pH	No limit set	Monthly spot	6.9	pH Probe	24 th 20:44	

Huw Edwards

24 JAN 2017

EHS Manager

Hu Edwards

Month	Emissions Point	Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
October	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	8.2	pH Probe	22 nd 07:30	
	W3	pH	No limit set	Monthly spot	6.9	pH Probe	24 th 08:57	
November	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	7.8	pH Probe	16 th 20:46	
	W3	pH	No limit set	Monthly spot	6.5	pH Probe	27 th 21:09	
December	W1	Total ammonia	No limit set	Monthly spot	Tankered away from site	BS EN ISO 11732:2005	N/A	
	W1	pH	6-9	Constant (pumps operate only when pH is 6 to 9)	6-9	pH Probe	N/A	
	W2	pH	No limit set	Monthly spot	8.0	pH Probe	7 th 21:50	
	W3	pH	No limit set	Monthly spot	7.2	pH Probe	24 th 19:44	

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24 JAN 2019

EMS Manager

H. Edwards

[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. 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.

Signed H. Edwards
(Authorised to sign as representative of Operator)

Date...24th January 2018..

Huw Edwards

24 JAN 2019

EHS Manager