


Document no: EMF 018	ENVIRONMENTAL MANAGEMENT SYSTEM	Issue no: 1.1	Page 3 of 4
Issue date: 06.02.2020		Issued by: QA and Technical Department	
Link documents: EMS 000, EMS 004, EMS 013, EMS 014			
Reason for amendment: Added max and min columns. Included footnote		Authorised by: 	



Permit Number: EPR/AB3697CN

Operator: Radnor Hills Mineral Water Company Ltd.

Facility: Radnor Hills

Form Number: Air1


Reporting of Emissions to Air for the period - 01/01/2019 to 31/01/2019

Emission Point	Source	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
A1	Boiler 1 – RV3	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit Set		0ppm	MCERTS certified contractor and equipment, method to follow M1	30/05/19	
A1		Particulates			58ppm			
A2	Boiler 2 – Tetra	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit Set		0.9ppm		30/05/19	
A2		Particulates			79ppm			
A3	Boiler 3 – Syrup CIP Set	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit Set		3.2ppm		30/05/19	
A3		Particulates			86.1			
A4	Boiler 4 – RV5	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit Set		1.1ppm		30/05/19	
A4		Particulates			84ppm			
A4	Boiler 5 – RV8	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit Set		1.1ppm		30/05/19	
A4		Particulates			57ppm			

Signed 

Date 11/02/2020..... (Authorised to sign as representative of Operator)

- [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 Natural Resources Wales is used, then the appropriate identifier is given. In other cases, the principal technique is stated, for example 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.

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Permit Number: EPR/AB3697CN

Operator: Radnor Hills Mineral Water Company Ltd.

Facility: Radnor Hills

Form Number: Water1

Reporting of Emissions to Water for the period - 01/01/2019 to 31/01/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]		Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Biological Oxygen Demand	5.00mg/l	Flow weighted sample or composite sample	Max	11.30mg/l	SCA Blue Book 130	19/11/19	
				Min	<1.00mg/l		16/10/19	
	Total Ammonia as N	0.50mg/l	Flow weighted sample or composite sample	Max	0.4mg/l	BS EN ISO 11732	05/01/19	
				Min	0.0mg/l		25/01/19	
	Soluble Reactive Phosphorus as PO ₄	0.20mg/l	Flow weighted sample or composite sample	Max	4.10mg/l	BS EN ISO 15681-1 or BS EN ISO 15681-2	30/07/19	
				Min	0.00mg/l		19/07/19	
	Flow	8.1m ³ /hr	Integrated daily flow rate	Approx. Average/hr	5.9m ³ /hr	MCERTS certified equipment, method as per M18	AVERAGE	
	Flow	194.4m ³ /day	Integrated daily flow rate	Approx. Average/day	141.66m ³ /day	MCERTS certified equipment, method as per M18	AVERAGE	
				Max	193.4m ³ /day		15/07/19	
				Min	0m ³ /day		25/12/19	
	Temperature	Max 25°C	Instantaneous	Max	26.1°C	MCERTS certified contractor and equipment, method to follow M1	26/07/19	
				Min	11.5°C		31/01/19	
	pH	Between 6-9	Instantaneous	Max	8.17	BS EN ISO 10523	20/07/19	
				Min	5.56		7/02/19	

Signed 

Date...11/02/2020

(Authorised to sign as representative of Operator)

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- [2] Where an internationally recognised standard test method is used the reference, number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases, the principal technique is stated, for example 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.