

Operator: **AB Connectors Ltd**
 Installation: **Abercynon Inorganics**

Permit Reference Number: **BV7443IP**

Reporting of Emissions to Sewer for the period from October 2017 to December 2017

Form Number: **S1**

Emission Point	Substance or Parameter	Emission Limit Value	Result ¹	Test Method ²	Sample Date and Times ³	Accreditation/Certification ⁴	Uncertainty ⁵
T13	Cadmium	10 µg/l	10	AAS	20/10/17		
T1	Maximum pH	3.0	1.98	CONTINUOUS MONITORING	28/11/17		
T1	Redox Potential	300 mV	291	CONTINUOUS MONITORING	17/11/17		
T2	Minimum pH	10.5	11.11	CONTINUOUS MONITORING	13/11/17		
T2	Redox Potential	300 mV	324	CONTINUOUS MONITORING	09/10/17		
T5	Minimum pH	9	9.44	CONTINUOUS MONITORING	25/10/17		
T5	Maximum pH	11	10.12	CONTINUOUS MONITORING			
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.01	AAS	14/11/17		
S1	Cadmium	150 g/year	6.61g				
S1	Chromium (VI)	0.1 mg/l	0.072	COLOURIMETRY	12/10/17		
S1	Chromium	2 mg/l	0.30	NITRIC ACID DIGEST ICP	01/12/17		
S1	Copper	2 mg/l	1.50	NITRIC ACID DIGEST ICP	12/10/17		
S1	Nickel	2 mg/l	0.61	AAS	05/10/17		
S1	Zinc	2 mg/l	0.22	AAS	05/10/17		
S1	Free cyanide	1.0 mg/l	0.26	COLOURIMETRY	08/11/17		

- ¹ The result given is the maximum value (or 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.
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.

Signed  Date 31/1/18
 (Authorised to sign as representative of the Operator)

Operator: **AB Connectors Ltd**
 Installation: **Abercynon Inorganics**

Permit Reference Number: **BV7443IP**

Reporting of Emissions to Sewer for the period from July 2017 to September 2017

Emission Point	Substance or Parameter	Emission Limit Value	Result ¹	Test Method ²	Sample Date and Times ³	Accreditation/Certification ⁴	Form Number: S1	Uncertainty ⁵
T13	Cadmium	10 µg/l	10	AAS	03/8/2017			
T1	Maximum pH	3.0	2.00	CONTINUOUS MONITORING	20/7/2017			
T1	Redox Potential	300 mV	297	CONTINUOUS MONITORING	19/7/2017			
T2	Minimum pH	10.5	11.2	CONTINUOUS MONITORING	07/8/2017			
T2	Redox Potential	300 mV	335	CONTINUOUS MONITORING	12/9/2017			
T5	Minimum pH	9	9.48	CONTINUOUS MONITORING	02/8/2017			
T5	Maximum pH	11	10.21	CONTINUOUS MONITORING	05/9/2017			
S1	Flow							
S1	Cadmium	0.05 mg/l	0.01	AAS	20/7/2017			
S1	Cadmium	150 g/year	6.95					
S1	Chromium (VI)	0.1 mg/l	0.08	COLORIMETRY	02/8/2017			
S1	Chromium	2 mg/l	0.40	NITRIC ACID DIGEST ICP	12/9/2017			
S1	Copper	2 mg/l	1.8	NITRIC ACID DIGEST ICP	12/9/2017			
S1	Nickel	2 mg/l	0.62	AAS	13/9/2017			
S1	Zinc	2 mg/l	0.22	AAS	29/9/2017			
S1	Free cyanide	1.0 mg/l	0.36	COLORIMETRY	09/8/2017			

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- 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.
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