

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

Permit Reference Number: **BV7443IP**

Reporting of Emissions to Sewer for the period from January 2024 to March 2024

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	Not used				
T1	Maximum pH	3.0	1.92	continuous monitoring	05/02/2024		
T1	Redox Potential	300 mV	151	continuous monitoring	23/01/2024		
T2	Minimum pH	10.5	10.60	continuous monitoring	28/02/2024		
T2	Redox Potential	300 mV	393	continuous monitoring	17/01/2024		
T5	Minimum pH	9	9.44	continuous monitoring	11/01/2024		
T5	Maximum pH	11	10.51	continuous monitoring	06/03/2024		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.009	Nitric acid/ICP	06/02/2024		
S1	Cadmium	150 g/year	4.38 g				
S1	Chromium (VI)	0.1 mg/l	0.089	Colourimetry	26/01/2024		
S1	Chromium	2 mg/l	0.2	Nitric acid/ICP	19/03/2024		
S1	Copper	2 mg/l	1.22	AAS	05/01/2024		
S1	Nickel	2 mg/l	0.80	Nitric acid/ ICP	16/01/2024		
S1	Zinc	2 mg/l	0.42	AAS	16/01/2024		
S1	Free cyanide	1.0 mg/l	0.649	Colourimetry	16/01/2024		

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 
 (Authorised to sign as representative of the Operator)

Date 24/07/2024

Date of Form: 01/2006

Operator: **AB Connectors Ltd**

Permit Reference Number: **BV7443IP**

Installation: **Abercynon Inorganics**

Reporting of Emissions to Sewer for the period from April 2024 to June 2024

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	Not used				
T1	Maximum pH	3.0	1.84	continuous monitoring	21/05/2024		
T1	Redox Potential	300 mV	149	continuous monitoring	05/06/2024		
T2	Minimum pH	10.5	10.64	continuous monitoring	04/04/2024		
T2	Redox Potential	300 mV	430	continuous monitoring	18/06/2024		
T5	Minimum pH	9	9.45	continuous monitoring	25/06/2024		
T5	Maximum pH	11	10.29	continuous monitoring	30/05/2024		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.01	Nitric acid/ICP	07/06/2024		
S1	Cadmium	150 g/year	3.46 g				
S1	Chromium (VI)	0.1 mg/l	0.093	Colourimetry	10/05/2024		
S1	Chromium	2 mg/l	0.2	Nitric acid/ICP	13/05/2024		
S1	Copper	2 mg/l	1.1	AAS	21/06/2024		
S1	Nickel	2 mg/l	0.40	Nitric acid/ ICP	03/04/2024		
S1	Zinc	2 mg/l	0.30	Nitric Acid/ICP	13/05/2024		
S1	Free cyanide	1.0 mg/l	0.20	Colourimetry	07/06/2024		

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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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⁵ The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed  (Authorised to sign as representative of the Operator)

Date 11/07/2024

Date of Form: 01/2006