

Operator: **AB Connectors Ltd**

Permit Reference Number: **BV7443IP**

Installation: **Abercynon Inorganics**

Reporting of Emissions to Sewer for the period from July 2024 to September 2024

Form Number: **S1**

Emission Point	Substance or Parameter	Emission Limit Value	Result <sup>1</sup>	Test Method <sup>2</sup>	Sample Date and Times <sup>3</sup>	Accreditation/Certification <sup>4</sup>	Uncertainty <sup>5</sup>
T13	Cadmium	10 µg/l	Not used				
T1	Maximum pH	3.0	1.85	continuous monitoring	10/07/2024		
T1	Redox Potential	300 mV	141	continuous monitoring	01/07/2024		
T2	Minimum pH	10.5	10.60	continuous monitoring	03/07/2024		
T2	Redox Potential	300 mV	386	continuous monitoring	27/09/2024		
T5	Minimum pH	9	9.43	continuous monitoring	24/07/2024		
T5	Maximum pH	11	10.17	continuous monitoring	18/07/2024		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.010	Nitric acid/ICP	11/07/2024		
S1	Cadmium	150 g/year	3.376 g				
S1	Chromium (VI)	0.1 mg/l	0.095	Colourimetry	19/07/2024		
S1	Chromium	2 mg/l	0.3	Nitric acid/ICP	08/08/2024		
S1	Copper	2 mg/l	1.56	AAS	26/09/2024		
S1	Nickel	2 mg/l	0.30	AAS	25/09/2024		
S1	Zinc	2 mg/l	0.21	AAS	17/07/2024		
S1	Free cyanide	1.0 mg/l	0.20	Colourimetry	19/07/2024		

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

<sup>5</sup> 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 27/01/2025

Date of Form: 01/2006

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

Permit Reference Number: **BV7443IP**

Reporting of Emissions to Sewer for the period from October 2024 to December 2024

Form Number: **S1**

Emission Point	Substance or Parameter	Emission Limit Value	Result <sup>1</sup>	Test Method <sup>2</sup>	Sample Date and Times <sup>3</sup>	Accreditation/Certification <sup>4</sup>	Uncertainty <sup>5</sup>
T13	Cadmium	10 µg/l	Not used				
T1	Maximum pH	3.0	1.96	continuous monitoring	17/10/2024		
T1	Redox Potential	300 mV	180	continuous monitoring	19/12/2024		
T2	Minimum pH	10.5	10.60	continuous monitoring	18/12/2024		
T2	Redox Potential	300 mV	393	continuous monitoring	08/10/2024		
T5	Minimum pH	9	9.44	continuous monitoring	14/10/2024		
T5	Maximum pH	11	10.38	continuous monitoring	21/11/2024		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.012	Nitric acid/ICP	12/11/2024		
S1	Cadmium	150 g/year	3.376 g				
S1	Chromium (VI)	0.1 mg/l	0.090	Colourimetry	08/11/2024		
S1	Chromium	2 mg/l	0.20	Nitric acid/ICP	09/12/2024		
S1	Copper	2 mg/l	1.32	AAS	22/10/2024		
S1	Nickel	2 mg/l	0.36	AAS	17/12/2024		
S1	Zinc	2 mg/l	0.21	AAS	17/07/2024		
S1	Free cyanide	1.0 mg/l	0.20	Colourimetry	19/07/2024		

<sup>1</sup> 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.

<sup>2</sup> 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. colourimetry.

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