

Operator: **AB Connectors Ltd**

Permit Reference Number: **BV7443IP**

Installation: **Abercynon Inorganics**

Reporting of Emissions to Sewer for the period from **JULY 2023** to **SEPTEMBER 2023**

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	1.99	continuous monitoring	05/07/2023		
T1	Redox Potential	300 mV	150	continuous monitoring	05/07/2023		
T2	Minimum pH	10.5	10.69	continuous monitoring	25/09/2023		
T2	Redox Potential	300 mV	394	continuous monitoring	18/09/2023		
T5	Minimum pH	9	9.41	continuous monitoring	21/08/2023		
T5	Maximum pH	11	9.95	continuous monitoring	18/09/2023		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.008	Nitric acid/ICP	19/09/2023		
S1	Cadmium	150 g/year	3.34g				
S1	Chromium (VI)	0.1 mg/l	0.088	Colourimetry	12/07/2023		
S1	Chromium	2 mg/l	0.3	Nitric acid/ICP	19/09/2023		
S1	Copper	2 mg/l	1.04	AAS	28/09/2023		
S1	Nickel	2 mg/l	0.30	AAS	28/09/2023		
S1	Zinc	2 mg/l	0.17	AAS	29/09/2023		
S1	Free cyanide	1.0 mg/l	0.409	Colourimetry	11/07/2023		

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 22/01/2024

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 2023 to December 2023

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	1.83	continuous monitoring	14/11/2023		
T1	Redox Potential	300 mV	150	continuous monitoring	14/11/2023		
T2	Minimum pH	10.5	10.66	continuous monitoring	22/11/2023		
T2	Redox Potential	300 mV	393	continuous monitoring	18/10/2023		
T5	Minimum pH	9	9.40	continuous monitoring	18/10/2023		
T5	Maximum pH	11	10.08	continuous monitoring	17/10/2023		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.006	Nitric acid/ICP	21/11/2023		
S1	Cadmium	150 g/year	2.74g				
S1	Chromium (VI)	0.1 mg/l	0.081	Colourimetry	08/11/2023		
S1	Chromium	2 mg/l	0.2	Nitric acid/ICP	21/11/2023		
S1	Copper	2 mg/l	1.15	AAS	07/11/2023		
S1	Nickel	2 mg/l	0.36	AAS	24/10/2023		
S1	Zinc	2 mg/l	0.30	AAS	21/11/2023		
S1	Free cyanide	1.0 mg/l	0.109	Colourimetry	13/10/2023		

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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.

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: **28/01/2024**

Date of Form: 01/2006