

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

Permit Reference Number: **BV7443IP**

Reporting of Emissions to Sewer for the period from January 2023 to March 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	1.91	continuous monitoring	19/01/2023		
T1	Redox Potential	300 mV	170	continuous monitoring	26/01/2023		
T2	Minimum pH	10.5	10.75	continuous monitoring	06/03/2023		
T2	Redox Potential	300 mV	325	continuous monitoring	13/02/2023		
T5	Minimum pH	9	9.37	continuous monitoring	07/03/2023		
T5	Maximum pH	11	10.26	continuous monitoring	10/01/2023		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.005	Nitric acid/ICP	01/03/2023		
S1	Cadmium	150 g/year	2.66g				
S1	Chromium (VI)	0.1 mg/l	0.086	Colourimetry	01/02/2023		
S1	Chromium	2 mg/l	0.5	Nitric acid/ICP	06/02/2023		
S1	Copper	2 mg/l	0.96	AAS	23.01.2023		
S1	Nickel	2 mg/l	0.42	AAS	16/02/2023		
S1	Zinc	2 mg/l	0.22	AAS	15/02/2023		
S1	Free cyanide	1.0 mg/l	0.847	Colourimetry	19/01/2023		

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 17/07/2023

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 April 2023 to June 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	1.86	continuous monitoring	06/06/2023		
T1	Redox Potential	300 mV	155	continuous monitoring	09/05/2023		
T2	Minimum pH	10.5	10.63	continuous monitoring	09/06/2023		
T2	Redox Potential	300 mV	440	continuous monitoring	22/05/2023		
T5	Minimum pH	9	9.40	continuous monitoring	21/04/2023		
T5	Maximum pH	11	9.97	continuous monitoring	16/05/2023		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.009	Nitric acid/ICP	23/05/2023		
S1	Cadmium	150 g/year	3.19g				
S1	Chromium (VI)	0.1 mg/l	0.090	Colourimetry	06/06/2023		
S1	Chromium	2 mg/l	0.3	Nitric acid/ICP	23/05/2023		
S1	Copper	2 mg/l	0.91	AAS	08/06/2023		
S1	Nickel	2 mg/l	0.35	AAS	09/05/2023		
S1	Zinc	2 mg/l	0.15	AAS	05/06/2023		
S1	Free cyanide	1.0 mg/l	0.462	Colourimetry	13/06/2023		

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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.

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