

Operator: AB Connectors Ltd
Installation: Abercynon Inorganics

Permit Reference Number: BV7443IP

Reporting of Water Usage for the year 2016

Form Number: WU1

Water Source	Usage (m ³)	Specific Usage (m ³ /kg)
Mains water (potable)	5595	27.97
Effluent discharge	3433	17.16
TOTAL WATER USAGE		

Trends in Water Usage		
Year	Parameter	
	Water usage (m ³)	Effluent discharge (m ³)
2005		
2006		
2007		
2008		
2009		
2010		

Operator's comments :

200kg used 2016.

Signed 
(Authorised to sign as representative of the Operator)

Date 6/2/17

Operator: AB Connectors Ltd

Installation: Abercynon Inorganics

Permit Reference Number: BV7443IP

Reporting of Emissions to Air for the year 2016

Form Number: A1						
Emission Point	Substance or Parameter	Emission Limit Value	Result ¹	Test Method ²	Sample Date and Times ³	Accreditation/ Certification ⁴
A1	Particulate matter	2 mg/m ³	0.37	BSEN 13284-1	18th-20th October 2016	MCCERTS
A2	Particulate matter	10 mg/m ³	1.4	BSEN 13284-1	18th-20th October 2016	MCCERTS
A3	Particulate matter	2 mg/m ³	0.21	BSEN 13284-1	18th-20th October 2016	MCCERTS
A4	Scrubber liquor pH minimum	10.5	11.2	pH METER	18/10/2016	
A4	Oxides of nitrogen (as NO ₂)	1.5 mg/m ³	1.4	BSEN 14792	18th-20th October 2016	MCCERTS
A4	Particulate matter	2 mg/m ³	0.2	BSEN 13284-1	18th-20th October 2016	MCCERTS
Installation	Solvent consumption	3000 kg/year	0			

Operator's comments :

¹ The result given is the maximum value (or the 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. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum', measured values.

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. gas chromatography.

³ For non-continuous measurements the date and time of the sample that produced the result 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 26/11/17
(Authorised to sign as representative of the Operator)

Operator: AB Connectors Ltd

Installation: Abercynon Inorganics

Permit Reference Number: BV7443IP

Form Number: E1

Reporting of Energy Usage for the year 2016

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh 2408.550	5780.52	2485.62
Natural Gas	MWh 858.787	858.787	369.28
TOTAL	3267.337	6639.307	2854.9

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

BASED ON 0.43 TONNES CO₂/MWH PRIMARY ENERGY

Signed
(Authorised to sign as representative of the Operator)

Date: 26/1/17

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

Permit Reference Number: **BV7443IP**

Reporting of Emissions to Sewer for the period from

July 2016 to September 2016

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	26.08.16		
T1	Maximum pH	3.0	1.98	CONTINUOUS MONITORING	02.08.16		
T1	Redox Potential	300 mV	225	CONTINUOUS MONITORING	25.07.16		
T2	Minimum pH	10.5	10.63	CONTINUOUS MONITORING	06.09.16		
T2	Redox Potential	300 mV	316	CONTINUOUS MONITORING	20.07.16		
T5	Minimum pH	9	9.32	CONTINUOUS MONITORING	20.07.16		
T5	Maximum pH	11	10.46	CONTINUOUS MONITORING	08.09.16		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.01	AAS	20.07.16		
S1	Cadmium	150 g/year	8.65g				
S1	Chromium (VI)	0.1 mg/l	0.086	COLOURIMETRY	12.09.16		
S1	Chromium	2 mg/l	0.5	NITRIC DIGEST ICP	08.07.16		
S1	Copper	2 mg/l	1.3	NITRIC DIGEST ICP	08.07.16		
S1	Nickel	2 mg/l	0.54	AAS	26.07.16		
S1	Zinc	2 mg/l	0.30	AAS	20.07.16		
S1	Free cyanide	1.0 mg/l	0.35	COLOURIMETRY	20.09.16		

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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  Date 6/2/17
 (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

OCTOBER 2016 to DECEMBER 2016

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	16/12/16		
T1	Maximum pH	3.0	1.97	CONTINUOUS MONITORING	27/10/16		
T1	Redox Potential	300 mV	129	CONTINUOUS MONITORING	20/10/16		
T2	Minimum pH	10.5	11.86	CONTINUOUS MONITORING	14/10/16		
T2	Redox Potential	300 mV	330	CONTINUOUS MONITORING	14/11/16		
T5	Minimum pH	9	9.41	CONTINUOUS MONITORING	10/10/16		
T5	Maximum pH	11	10.31	CONTINUOUS MONITORING	24/10/16		
S1	Flow	-					
S1	Cadmium	0.05 mg/l	0.01	AAS	30/11/16		
S1	Cadmium	150 g/year	9.28g				
S1	Chromium (VI)	0.1 mg/l	0.051mg	COLOURIMETRY	10/10/16		
S1	Chromium	2 mg/l	0.3mg/L	NITRIC DIGEST ICP	10/10/16		
S1	Copper	2 mg/l	0.9mg/L	NITRIC DIGEST ICP	16/11/16		
S1	Nickel	2 mg/l	0.56mg/L	AAS	1/12/16		
S1	Zinc	2 mg/l	0.26mg/L	AAS	29/11/16		
S1	Free cyanide	1.0 mg/l	0.52mg/L	COLOURIMETRY	10/10/16		

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Signed  Date **6/2/17**
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