

Operator: AB Connectors Ltd

Installation: Abercynon Inorganics

Reporting of Energy Usage for the year 2017

Permit Reference Number: BV7443IP

Form Number: E1

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh 2608.435	6260.232	2691.9
Natural Gas	MWh 1267.879	1267.879	545.2
TOTAL	3876.309	7528.111	3237.1

* 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 29/1/18

Trends in Energy Usage			
Year	Parameter	CO ₂ Produced (tonnes)	CO ₂ per unit output (tonnes/tonne)
2011	Primary Energy usage (MWh)	3972	
2012	7265.5	3124.5	
2013	7050.7	3031.8	
2014	6384.64	2745.4	
2015	7348.651	3159.9	
2016	6639.307	2854.9	
2017	7528.111	3237.1	
2018			

Operator: AB Connectors Ltd

Permit Reference Number: BV74431P

Installation: Abercynon Inorganics

Reporting of Emissions to Air for the year 2017

Form Number: A1

Emission Point	Substance or Parameter	Emission Limit Value	Result ¹	Test Method ²	Sample Date and Times ³	Accreditation/ Certification ⁴	Uncertainty ⁵
A1	Particulate matter	2 mg/m ³	0.62	EN13284-1	18/10/17	MCERTS	
A2	Particulate matter	10 mg/m ³	3.32	EN13284-1	18/10/17	MCERTS	
A3	Particulate matter	2 mg/m ³	0.63	EN13284-1	18/10/17	MCERTS	
A4	Scribber liquor pH minimum	10.5	11.62				
A4	Oxides of nitrogen (as NO ₂)	1.5 mg/m ³	3.6 (1.1)*	EN14792	17/10/2017	MCERTS	
A4	Particulate matter	2 mg/m ³	0.84	EN13284-1	17/10/2017	MCERTS	
Installation	Solvent consumption	3000 kg/year	0				
Operator's comments: * TOTAL OXIDES OF NITROGEN (WET CHEMISTRY) 0.1 mg/m ³ US EPA 7D OXIDES OF NITROGEN (AS NO ₂) ANALYSER 3.6 mg/m ³							

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 31/1/18

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

Permit Reference Number: **BV7443IP**

Reporting of Water Usage for the year 2017

Form Number: **WU1**

Water Source	Usage (m ³)	Specific Usage (m ³ /kg)
Mains water (potable)	8341 *	54.52
Effluent discharge	3117	20.37
TOTAL WATER USAGE		

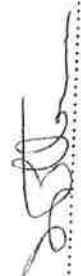
Trends in Water Usage		
Year	Parameter	
	Water usage (m ³)	Effluent discharge (m ³)
2005		
2006		
2007		
2008		
2009		
2010		

Operator's comments:

* JANUARY WATER LEAK IDENTIFIED

AUGUST TO OCTOBER ESTIMATED READINGS DUE TO VANDALISM
OF WATER METER

1535 CADMIUM USED 2017



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Date: 31/1/18

Operator: **AB Connectors Ltd**
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Reporting of Waste Disposal and Recovery for the year 2017

Form Number: **R1**

Waste Description	Disposal		Recovery	
	Route	Tonnes	Tonnes	
1) Hazardous Wastes				
Effluent treatment sludge		81.36		
Solvents		0		
Other hazardous wastes		52.49	0.71	
Total hazardous waste		133.85	0.71	
2) Non-Hazardous Wastes				
Metal waste			92.66	
Other non-hazardous waste		15.18	20.97	
Total non-hazardous waste		15.18	113.63	

Trends in Waste Disposal and Recovery			
Year	Parameter	Hazardous Waste for Disposal (tonnes)	Hazardous Waste for Recovery (tonnes)
2005			
2006			
2007			
2008			
2009			
2010			

Operator's comments :

EFFLUENT TREATMENT SLUDGE - 30.9 TONNES EMPTYING SETTLEMENT TANK FOR MAINTENANCE

OTHER HAZARDOUS WASTE - 45.46. REMOVAL OF WASTE COOLANT FROM MACHINE SHOP.

Signed 2017 
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Date 31/1/18

Operator: **AB Connectors Ltd**
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Reporting of Performance Indicators for the year **2017**.....

Form Number: **PI1**

Quantity of cadmium processed		Annual Production/Treatment		153 kg Cd				
Environmental Performance Indicators [EPI's]								
Parameter	Current Year	Units	Trends in Environmental Performance					
			Year	Primary energy MWh/kg	Water Use m ³ /kg	Effluent discharge m ³ /kg	Hazardous Waste kg/kg	Non-Hazardous Waste kg/kg
Primary Energy Usage	7528.111	MWh	2005					
Water Use	8341*	m ³	2006					
Effluent discharge	3117	m ³	2007					
Hazardous waste	133850*	kg	2008					
Non-Hazardous waste	15180	kg	2009					
			2010					

Operator's comments : * INCLUDES 30.9 TONNES FROM SETTLEMENT TANK
 45.46 TONNES REMOVAL OF WASTE COOLANT FROM SITE
 * WATER LEAK JANUARY. ESTIMATED READINGS AUGUST TO DECEMBER.

Signed .....
 (Authorised to sign as representative of the Operator)

Date **31/1/18**.....

