

Permit Number: **EPR/BW9999IG/V007**

Operator: **Kronospan Limited**

Facility: **Chirk Particleboard Factory**

Form Number: **Air 1** Date : **15/04/2019**

Reporting of emissions to air for the period

A19-A25: 01/10/2019 to 31/12/2019

Emission Point	Substance / Parameter	Emission Limit Value	Result 1	Sample Date and Time	Result 2	Sample Date and Time	Result 3	Sample Date and Time
A1	Formaldehyde	5 mg/m ³						
A5	Formaldehyde	5 mg/m ³						
A5	Total VOCs	50 mg/m ³						
A5	Particulates	20 mg/m ³						
A6	Formaldehyde	5 mg/m ³						
A6	Total VOCs	50 mg/m ³						
A6	Particulates	20 mg/m ³						
A16	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	90 mg/Nm ³	137 mg/Nm ³	23/10/2019 14:58-15:28	140 mg/Nm ³	23/10/2019 15:28-15:58	148 mg/Nm ³	23/10/2019 15:58-16:28
A16	Carbon monoxide	No limit set	67.5 mg/Nm ³	23/10/2019 14:58-15:28	36.4 mg/Nm ³	23/10/2019 15:28-15:58	56.9 mg/Nm ³	23/10/2019 15:58-16:28
A17	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	200 mg/Nm ³						
A17	Carbon monoxide	No limit set						
A18	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	200 mg/Nm ³	163 mg/Nm ³	23/10/2019 12:30-13:00	161 mg/Nm ³	23/10/2019 13:00-13:30	163 mg/Nm ³	23/10/2019 13:30-14:00
A18	Carbon monoxide	No limit set	0.27 mg/Nm ³	23/10/2019 12:30-13:00	0.27 mg/Nm ³	23/10/2019 13:00-13:30	0.27 mg/Nm ³	23/10/2019 13:30-14:00
A19	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	390 mg/Nm ³	157 mg/Nm ³	25/10/2019 12:37-13:07	156 mg/Nm ³	25/10/2019 13:08-13:38	155 mg/Nm ³	25/10/2019 13:39-14:09
A19	Carbon monoxide	No limit set	76.3 mg/Nm ³	25/10/2019 12:37-13:07	32.9 mg/Nm ³	25/10/2019 13:08-13:38	24.9 mg/Nm ³	25/10/2019 13:39-14:09

Emission Point	Substance / Parameter	Emission Limit Value	Result 1	Sample Date and Time	Result 2	Sample Date and Time	Result 3	Sample Date and Time
A20	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	390 mg/Nm ³						
	Carbon monoxide	No limit set						
A21	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	280 mg/Nm ³	210 mg/Nm ³	31/10/2019 11:13-11:43	210 mg/Nm ³	31/10/2019 11:44-12:14	204 mg/Nm ³	31/10/2019 12:15-12:45
	Carbon monoxide	No limit set	261 mg/Nm ³	31/10/2019 11:13-11:43	262 mg/Nm ³	31/10/2019 11:44-12:14	267 mg/Nm ³	31/10/2019 12:15-12:45
A22	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	280 mg/Nm ³						
	Carbon monoxide	No limit set						
A23	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	280 mg/Nm ³						
	Carbon monoxide	No limit set						
A24	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	280 mg/Nm ³						
	Carbon monoxide	No limit set						
A25	Oxides of nitrogen (NO and NO ₂) expressed as NO ₂	280 mg/Nm ³						
	Carbon monoxide	No limit set						

Note: A1-A6 annual testing reported in Q1. A17 has been offline for refurbishment. A20, A22, & A23 were offline during testing period. A24 & A25 are currently not installed.

Signed  C. Bakke
(Authorised to sign as representative of Operator)

Date... 31/10/20

Corrections have been made as per condition 3.1.4

Permit Number:

EA/EPR/BW99991G/V003

Operator:

Kronospan Ltd

Facility:

Chirk Particle Board Factory


Form Number:

FPET1 / 040209

Reporting of emissions from the formaldehyde plant effluent tank for the period from 01/10/2019 to 30/12/2019

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method	Sample Date	Uncertainty
E1	pH	6 – 9	NO DISCHARGE FROM THE EFFLUENT TANK HAS OCCURRED BETWEEN THE REPORTING PERIOD 01/10/2019-30/12/2019			
E1	Oil and Grease	15mg/l				
E1	Formaldehyde	1mg/l				
E1	Discharge Volume	N/A				

(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.

Signed  C. Saecker
(Authorised to sign as representative of Operator)

Date 31/01/20

Corrections have been made as per condition 3.1

Permit Number: EA/EPR/BW9999IG/V003

Operator: Kronospan Ltd

Facility: Chirk Particle Board Insulation

Form Number: WaterUsage1 / 040209

Reporting of Water Usage for the year 2019

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water	194,350	
Site borehole	96,816	
Canal abstraction	421,239	
TOTAL WATER USAGE	712,405	

Operator's comments :

(The water usage is for the whole installation not just the part regulated by the Environment Agency)

Signed  C. Barker
(authorised to sign as representative of Operator)

Date... 31/01/20

Permit Number: EA/EPR/BW9999IG/V003

Operator:

Kronospan Ltd

Facility: Chirk Particle Board Factory

Form Number:

Water1 / 040209

Reporting of emissions to water (other than to sewer) and land for the period from 01/10/2019 to 31/12/2019

Emission Point	Substance / Parameter	Emission Limit Value	Result ⁽¹⁾	Test Method	Sample Date	Uncertainty
W1	BOD	9.5 mg/l	8.0 mg/l	As Permit	12/10/2019	0.011
W1	Suspended Solids	100mg/l	95 mg/l	As Permit	11/10/2019	0.208
W1	pH	6 – 9	6.50 – 8.70	As Permit	29/10/2019 – 13/12/2019	0.004
W1	Ammonia	5 mg/l	4.95 mg/l	As Permit	28/12/2019	0.006
W1	Oil and Grease	15mg/l	4.1 mg/l	As Permit	21/10/2019	0.007
W1	Formaldehyde	2 mg/l	2.0 mg/l	As Permit	21/12/2019	0.003
W1	Discharge Volume	N/A	145,207 m ³	As Permit	N/A	N/A

(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.

Signed  C Barrett
(Authorised to sign as representative of Operator)

Date 31/01/20


Corrections have been made as per condition 3.1.4

Permit Number: EA/EPR/BW99991G/V003 Operator: Kronospan Ltd
Facility: Chirk Particle Board Factory Form Number: Performance1 / 040209

Reporting of other performance indicators for the year 2019

Parameter	Units
Total BOD emission to water (other than sewer) from point W1 (kg)	3,468
Total Methanol received into the storage tanks (tonnes)	38,280
Total VOC's released from points A5 and A6 (tonnes)	13.04

Operator's comments :

Signed  C. Barker
(Authorised to sign as representative of Operator)

Date: 31.01.20.....

Permit Number:

EA/EPR/BW99991G/V003

Operator:

Kronospan Ltd

Facility:

Chirk Particle Board Factory

Form Number:

Energy1 / 040209

Reporting of Energy Usage for the year 2019

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity (MWh)	Primary Energy (MWh)	
Site electricity	240,964	626,506	
Formaldehyde Plant Electricity	6,739	17,521	
TOTAL	240,964	626,506	

* Conversion factor for delivered electricity to primary energy = 2.6

Operator's comments :

Signed  C. SARKIS
(Authorised to sign as representative of Operator)

Date: 31/01/20