

Permit Number: **EPR/BW99999IG/V007**

Operator: **Kronospan Limited**

Facility: **Chirk Particleboard Factory**

Form Number: **Air 1**

Date : **15/04/2019**

Reporting of emissions to air for the period

A1-A6: 2019 A19-A25: 01/01/2019 to 31/03/2019

| 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 | 0.94 mg/m ³ | 30/01/2019 11:24-12:04 | 1.21 mg/m ³ | 30/01/2019 12:07-12:47 | 1.08 mg/m ³ | 30/01/2019 12:50-13:30 |
| A5 | Formaldehyde | 5 mg/m ³ | 0.60 mg/m ³ | 12/03/2019 14:23-15:12 | 0.75 mg/m ³ | 12/03/2019 15:17-16:06 | 0.92 mg/m ³ | 12/03/2019 16:11-17:00 |
| A5 | Total VOCs | 50 mg/m ³ | 2.90 mg/m ³ | 12/03/2019 14:23-15:03 | 2.20 mg/m ³ | 12/03/2019 15:04-15:44 | 3.20 mg/m ³ | 12/03/2019 15:45-16:25 |
| A5 | Particulates | 20 mg/m ³ | 0.55 mg/m ³ | 12/03/2019 14:23-15:12 | 0.32 mg/m ³ | 12/03/2019 15:17-16:06 | 0.18 mg/m ³ | 12/03/2019 16:11-17:00 |
| A6 | Formaldehyde | 5 mg/m ³ | 0.58 mg/m ³ | 12/03/2019 10:36-11:16 | 0.69 mg/m ³ | 12/03/2019 11:24-12:04 | 0.76 mg/m ³ | 12/03/2019 12:10-12:50 |
| A6 | Total VOCs | 50 mg/m ³ | 24.50 mg/m ³ | 12/03/2019 10:48-11:28 | 35.00 mg/m ³ | 12/03/2019 11:29-12:09 | 42.60 mg/m ³ | 12/03/2019 12:10-12:50 |
| A6 | Particulates | 20 mg/m ³ | 2.00 mg/m ³ | 12/03/2019 10:36-11:16 | 1.00 mg/m ³ | 12/03/2019 11:24-12:04 | 0.52 mg/m ³ | 12/03/2019 12:10-12:50 |
| A16 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 90 mg/Nm ³ | | | | | | |
| | Carbon monoxide | No limit set | | | | | | |
| A17 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 200 mg/Nm ³ | | | | | | |
| | Carbon monoxide | No limit set | | | | | | |
| A18 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 200 mg/Nm ³ | | | | | | |
| | Carbon monoxide | No limit set | | | | | | |
| A19 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 390 mg/Nm ³ | | | | | | |

| 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 |
|----------------|---|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|
| | Carbon monoxide | No limit set | | | | | | |
| A20 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 390 mg/Nm ³ | 141.0 mg/m ³ | 20/02/2019 11:50-12:20 | 136.0 mg/m ³ | 20/02/2019 12:21-12:51 | 135.0 mg/m ³ | 20/02/2019 12:52-13:22 |
| | Carbon monoxide | No limit set | 83.8 mg/m ³ | 20/02/2019 11:50-12:20 | 71.5 mg/m ³ | 20/02/2019 12:21-12:51 | 68.0 mg/m ³ | 20/02/2019 12:52-13:22 |
| A21 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 280 mg/Nm ³ | 172.0 mg/m ³ | 31/01/2019 11:15-11:45 | 168.0 mg/m ³ | 31/01/2019 11:45-12:15 | 155.0 mg/m ³ | 31/01/2019 12:15-12:45 |
| | Carbon monoxide | No limit set | 281.0 mg/m ³ | 31/01/2019 11:15-11:45 | 269.0 mg/m ³ | 31/01/2019 11:45-12:15 | 256 mg/m ³ | 31/01/2019 12:15-12:45 |
| A22 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 280 mg/Nm ³ | 238.0 mg/m ³ | 31/01/2019 12:50-13:20 | 246.0 mg/m ³ | 31/01/2019 13:20-13:50 | 229.0 mg/m ³ | 31/01/2019 13:50-14:20 |
| | Carbon monoxide | No limit set | 223.0 mg/m ³ | 31/01/2019 12:50-13:20 | 219.0 mg/m ³ | 31/01/2019 13:20-13:50 | 209 mg/m ³ | 31/01/2019 13:50-14:20 |
| 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: A16-A18 annual testing not yet completed for 2019. A19 & A23 were offline during the testing period. A24 & A25 are currently not installed.

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

Date: 15/04/19

Corrections have been made as per condition 3.1.4

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 01/01/2019 to 31/03/2019

| Emission Point | Substance / Parameter | Emission Limit Value | Result ⁽¹⁾ | Test Method | Sample Date | Uncertainty |
|----------------|-----------------------|----------------------|-----------------------|-------------|--------------------------------------|-------------|
| W1 | BOD | 9.5 mg/l | 8.2 mg/l | As Permit | 05/03/2019 | 0.011 |
| W1 | Suspended Solids | 100mg/l | 89.00 mg/l | As Permit | 05/03/2019 | 0.208 |
| W1 | pH | 6 – 9 | 6.96 – 8.80 | As Permit | 04/01/2019 – 29/01/2019 | 0.004 |
| W1 | Ammonia | 5 mg/l | 4.85 mg/l | As Permit | 18/01/2019 | 0.006 |
| W1 W1 | Oil and Grease | 15mg/l | 5.00 mg/l | As Permit | 21/01/2019 | 0.007 |
| W1 | Formaldehyde | 2 mg/l | 2.00 mg/l | As Permit | 22/01/2019, 29/01/2019, & 30/01/2019 | 0.003 |
| W1 | Discharge Volume | N/A | 77,056 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. BARKER Date 15/04/19
(Authorised to sign as representative of Operator)

Corrections have been made as per condition 3.1.4

Permit Number: EA/EPR/BW9999IG/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 01/01/2019 to 31/03/2019

| 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 01/01/2019-31/03/2019 | | | |
| 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. BARKER Date 15/04/19
(Authorised to sign as representative of Operator)

Corrections have been made as per condition 3.1