

Permit Number: EPR/BW9999IG

Operator: Kronospan Limited

Facility: Chirk Particleboard Factory

Form Number: Air1 / 15/09/2023

Reporting of emissions to air for the period from 01/01/2024 to 31/12/2024

| Emission Point | Emission | | Reference Period | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Uncertainty ^[4] |
|----------------|---|------------------------|--|-----------------------|----------------------------|--|----------------------------|
| | Substance / Parameter | Limit Value | | | | | |
| A1 | No testing this quarter | | | | | | |
| A5 | No testing this quarter | | | | | | |
| A6 | No testing this quarter | | | | | | |
| A16 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 200 mgN/m ³ | Periodic (average value of three consecutive measurements of at least 30 minutes each) | 185.0 | BS EN 14792 | 06/11/2024 11:00 - 11:30 11:30 - 12:00 12:00 - 12:30 | 10.10 |
| | Carbon Monoxide | No Limit set | | | | | |
| A17 | No testing this quarter | | | | | | |
| A18 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 390 mgN/m ³ | Periodic (average value of three consecutive measurements of at least 30 minutes each) | 159.0 | BS EN 14792 | 07/11/2024 13:30 - 14:00 14:00 - 14:30 14:30 - 15:00 | 6.70 |
| | Carbon Monoxide | No Limit set | | | | | |
| A19 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 390 mgN/m ³ | Periodic (average value of three consecutive measurements of at least 30 minutes each) | 187.7 | BS EN 14792 | 01/11/2024 10:10 - 10:40 10:40 - 11:10 11:10 - 11:40 | 21.90 |
| | Carbon Monoxide | No Limit set | | | | | |
| A20 | No testing this quarter | | | | | | |
| A21 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) | 280 mgN/m ³ | Periodic (average value of three consecutive measurements of at least 30 minutes each) | 250.0 | BS EN 14792 | 22/11/2024 11:40 - 12:10 11:10 - 11:40 10:40 - 11:10 | 15.20 |

| Emission Point | Substance / Parameter | Emission | | Reference Period | Result [1] | Test Method [2] | Sample Date and Times [3] | Uncertainty [4] |
|------------------|---|------------------------|--|---|------------|-----------------------------|--|-----------------|
| | | Limit Value | | | | | | |
| A28 | Dioxins and Furans (I-TEQ) | 0.1 ng/Nm ³ | | Periodic over minimum 6 hours, maximum 8 hour period | 0.020 | BS EN 1948 Parts 1, 2 and 3 | 05/11/2024 09:26 - 15:26 | 0.0036 |
| | Particulate Matter | 15 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 4.5 | BS EN 13284-1 | 30/10/2024 11:03 - 11:40 11:47 - 12:24 12:31 - 13:08 | 0.8 |
| | Total Volatile Organic Compounds | 30 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 6.2 | BS EN 12619 | 30/10/2024 11:03 - 11:33 11:47 - 12:17 12:31 - 13:01 | 0.4 |
| | Formaldehyde | 5 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 0.75 | CEN / TS 17638:2021 | 30/10/2024 11:03 - 11:40 11:47 - 12:24 12:31 - 13:08 | 0.15 |
| | Particulate Matter | 20 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 2.7 | BS EN 13284-1 | 05/11/2024 11:15 - 11:46 15:03 - 15:34 15:45 - 16:16 | 0.69 |
| A29 Cyclone 3 | Total Volatile Organic Compounds | 120 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 67.4 | BS EN 12619 | 05/11/2024 11:15 - 11:46 15:03 - 15:34 15:45 - 16:16 | 4.50 |
| | Formaldehyde | 15 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 12.5 | CEN / TS 17638:2021 | 05/11/2024 11:15 - 11:46 15:03 - 15:34 15:45 - 16:16 | 2.50 |
| | Oxides of nitrogen (NO & NO ₂ expressed as NO ₂) | 100 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 40.8 | BS EN 14792 | 05/11/2024 11:15 - 11:45 11:45 - 12:15 12:15 - 12:45 | 1.20 |
| | Carbon Monoxide | 200 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 27.7 | BS EN 15058 | 05/11/2024 11:15 - 11:45 11:45 - 12:15 12:15 - 12:45 | 0.90 |
| | Hydrogen chloride | 30 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | 1.8 | BS EN 1911 | 05/11/2024 11:15 - 11:46 15:03 - 15:34 15:45 - 16:16 | 0.16 |
| | Hydrogen fluoride | 1 mg/Nm ³ | | Average value of three consecutive measurements of at least 30 minutes each | < 0.041 | CEN TS 17340 | 05/11/2024 11:15 - 11:46 15:03 - 15:34 15:45 - 16:16 | 0.0043 |
| | Mercury | No limit Set | | Average value of three consecutive measurements of at least 30 minutes each | 0.00043 | EN 13211 | 05/03/2025 13:44 - 14:15 14:48 - 15:19 04/03/2025 13:11 - 13:42 | 0.000066 |
| | Metals (Antimony, Arsenic, Cadmium, Cobalt, Chromium, Copper, Manganese, Nickel, Lead, Thallium & Vanadium) | No limit Set | | Average value of three consecutive measurements of at least 30 minutes each | 0.023 | EN 14385 | 04/03/2025 11:29 - 12:00 12:03 - 12:34 12:37 - 13:08 | 0.0045 |

| Emission Point | Emission | | Reference Period | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Uncertainty ^[4] |
|---|--|--------------------------------|---|-----------------------|----------------------------|--|----------------------------|
| | Substance / Parameter | Limit Value | | | | | |
| A31 | Mercury | No limit set | Average value of three consecutive measurements of at least 30 minutes each | | | | |
| | Particulate Matter | Not in use during this quarter | | | | | |
| | Total Volatile Organic Compounds | | | | | | |
| | Formaldehyde | | | | | | |
| | Particulate Matter | 20 mg/Nm ³ | Average value of three consecutive measurements of at least 30 minutes each | 0.12 | BS EN 13284-1 | 31/10/2024 11:06 - 12:07 12:14 - 13:15 13:22 - 14:23 | 0.46 |
| | Total Volatile Organic Compounds | 200 mg/Nm ³ | Average value of three consecutive measurements of at least 30 minutes each | 184.3 | BS EN 12619 | 31/10/2024 11:06 - 11:36 11:36 - 12:06 12:06 - 12:36 | 30.60 |
| | Formaldehyde | 10 mg/Nm ³ | Average value of three consecutive measurements of at least 30 minutes each | 10.5* | CEN / TS 17638:2021 | 31/10/2024 11:06 - 12:07 12:14 - 13:15 13:22 - 14:23 | 2.70 |
| | Oxides of nitrogen (NO & NO ₂ expressed as NO ₂) | 200 mg/Nm ³ | Average value of three consecutive measurements of at least 30 minutes each | 114.0 | BS EN 15058 | 31/10/2024 11:06 - 11:36 11:36 - 12:06 12:06 - 12:36 | 17.400 |
| | Carbon Monoxide | No limit set | Average value of three consecutive measurements of at least 30 minutes each | 78.2 | BS EN 14792 | 31/10/2024 11:06 - 11:36 11:36 - 12:06 12:06 - 12:36 | 12.700 |
| | Hydrogen Chloride | No limit set | Average value of three consecutive measurements of at least 30 minutes each | 0.131 | BS EN 1911 | 31/10/2024 11:06 - 12:07 12:14 - 13:15 13:22 - 14:23 | 0.0330 |
| A32 | Hydrogen Fluoride | No limit set | Average value of three consecutive measurements of at least 30 minutes each | 0.057 | CEN TS 17340 | 31/10/2024 11:06 - 12:07 12:14 - 13:15 13:22 - 14:23 | 0.013 |
| | Mercury (3) | No limit set | Average value of three consecutive measurements of at least 30 minutes each | | | | |
| | Metals (Antimony, Arsenic, Cobalt, Chromium, Copper, Manganese, Nickel, Lead & Vanadium) (3) | No limit set | Average value of three consecutive measurements of at least 30 minutes each | | | | |
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| Annual testing not carried out this quarter | | | | | | | |