

The Valspar (UK) Corporation, Limited
Packaging Coatings Group
Parkway, Deeside Industrial Park
Deeside, Flintshire CH5 2NN, UK
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31 January 2020.

Natural Resources Wales
Regulatory and Community Division
Chester Road
Buckley, Flintshire
CH7 3AJ

Dear Julia,

See attached information as required by:- **Reference Permit EPR/BU7545IM:**

Annual submissions due 31st January 2020 (for year 2019)

1. Reporting of water usage
2. Reporting of energy usage for the year
3. Reporting of other performance indicators for the period (solvents)
4. VOC's annual reports – Q1 – Q4
5. Solvent Management Plan for 2019

General Comments

The specific water usage has increased slightly due to a variance in product grades produced which is driven by market demand and BREXIT.

The overall specific energy consumption has decreased by 4% for 2019 due to BREXIT stock build of certain product groups which meant limited use of motors and utilities throughout the plant.

The solvent emissions as a % of solvent input has decreased due to the demand of the variance in product types in 2019. The emissions is within the permit level of 3%.

Yours sincerely



Candice Sankoomar
EHS Manager
Sherwin Williams
(The Valspar (UK) Corporation Ltd)

Permit Number: EPR/BU7545IM

Operator: The Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings

Form number: Water Usage1 11/12/17

Reporting of Water Usage for the year: 2019 (January to December)

Water Source	Usage m ³ / year	Specific Usage (m ³ / unit output)
Mains water	16, 000 m ³	0.878 m ³ /tonnes
TOTAL WATER USAGE	16,000 m³	

Operator's comments:

There was a slight increase in specific usage from 2018 to 2019 due to a variance in product grades produced which is driven by market demand and BREXIT.

Production for 2019 – 18,216 tonnes

Signed.....
Candice Sankoomar
(Candice Sankoomar, EHS Manager)

Date.....
31/01/2020

Permit Number: EPR/BU7545IM

Operator:

The Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings

Form number: Energy 1 11/12/17

Reporting of energy usage for the year: January 2019 to December 2019

ENERGY SOURCE	ENERGY USAGE QUANTITY	PRIMARY ENERGY (MWh)	Specific Usage (MWh/unit output)
Electricity*	2,953 MWh	7087.2 MWh	0.398 MWh/tonne**
Natural Gas	2,300 MWh	2,300 MWh	0.126 MWh/tonne
Gas Oil	39.56 MWh	35.56 MWh	0.002 MWh/tonne
TOTAL	5,292.56 MWh		0.526 MWh/tonne

*** Conversion factor for delivered electricity to primary energy = 2.4**

Operator's comments:

The overall specific energy consumption has decreased by 4% for 2019 due to BREXIT stock build of certain product groups which meant limited use of motors and utilities throughout the plant.

**Calculation of Specific usage is from the primary energy per total production for 2018.

Total production for 2019 is 18,216 tonnes.

Signed.....
(Candice Sankoomar, EHS Manager)

Date.....

Permit Number: EPR/BU7545IM

Operator:

The Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings

Form number: Performance11/12/2017

Reporting of other performance indicators for the period - January 2019 to December 2019.

Solvent usage (tonnes)	5,798.34 tonnes
Total solvent emissions as a % of solvent input	0.058%

Operator's comments:

Emissions calculated based on emissions points A5 and A37 and workplace monitoring data. The change of % of solvent emissions from 2018 to 2019 was as a result of the different product types made during 2019.

Signed.....
Candice Sankoomar
(Candice Sankoomar, EHS Manager)

Date.....
31/01/2020

Permit Number: EPR/BU7545IM

Operator: The Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings

Form Number: Air1 / 11/12/17

Reporting of emissions to air for the period from 1/01/2019 to 31/03/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0 g/hr	BSEN13649	6th February 2019 9:32 – 10:32	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	101 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.21 g/hr	BSEN13649	6th February 2019 10:52-11:52	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.21 g/hr	BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour	0.52 mg/m ³	EN13284-1	6th February 2019 12:01-13:01	±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0 g/hr	BSEN13649		±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	50.5 g/hr	BSEN13649	5th February 2019 10:08-10:38, 10:39-11:09	±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.27 mg/m ³	EN13284-1		-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.18 g/hr	BSEN13649	6th February 2019 10:40 - 11:40	±20.0 %
A38	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.94 g/hr	BSEN13649		±20.0 %

* (There is a measurement uncertainty of +/- 25%)

- [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. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

 (Candice Sankoomar, EHS Manager)

Date 10/06/2019

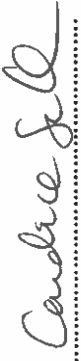
Permit Number: EPR/BU7545IM Operator: The Valspar (UK) Corporation Ltd
 Installation: Deeside Packaging Coatings Form Number: Air1 / 11/12/17

Reporting of emissions to air for the period from 1/04/2019 to 30/06/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
A1	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0.33 g/hr	BSEN13649	7 May 2019 10:25 - 11:25	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	7.99 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.17 g/hr	BSEN13649	8th May 2019 13:30 - 14:30	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.17 g/hr	BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour	0.52 mg/m ³	EN13284-1		±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0.07 g/hr	BSEN13649	7th May 2019 09:17 - 10:17	±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	0.04 g/hr	BSEN13649		±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.27 mg/m ³	EN13284-1	8th May 2019 11:06 - 12:06	-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.19 g/hr	BSEN13649	7th May 2019 10:22 - 11:22	±20.0 %
A38	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.19 g/hr	BSEN13649		±20.0 %

* (There is a measurement uncertainty of +/- 25%)

- [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. For continuous measurements the percentage of the process operating time covered by the result is given.
 [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed  Date.....10/06/2019.....
 (Candice Sankoomar, EHS Manager)

Permit Number: EPR/BU7545IM Operator: The Valspar (UK) Corporation Ltd
 Installation: Deeside Packaging Coatings Form Number: Air1 / 11/12/17

Reporting of emissions to air for the period from 1/07/2019 to 30/09/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
A1	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0.9 g/hr	BSEN13649	9 th July 2019 13:21 – 14:21	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	51.7 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.55 g/hr	BSEN13649	9 th July 2019 11:50-12:50	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.55 g/hr	BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour	0.52 mg/m ³	EN13284-1		±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0.00 g/hr	BSEN13649	9 th July 2019 11:35 – 12:35	±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	33.9 g/hr	BSEN13649		±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.39 mg/m ³	EN13284-1	10 th July 2019 10:35 – 11:35	-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.58 g/hr	BSEN13649	9 th July 2019 13:30 – 14:30	±20.0 %
A38	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.58 g/hr	BSEN13649		±20.0 %

* (There is a measurement uncertainty of +/- 25%)

- [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. For continuous measurements the percentage of the process operating time covered by the result is given.
 [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed  Date.....28/08/2019.....
 (Candice Sankoomar, EHS Manager)

Permit Number: EPR/BU7545IM

Operator: The Valspar (UK) Corporation Ltd

Installation:

Deeside Packaging Coatings

Form Number: Air1 / 11/12/17

Reporting of emissions to air for the period from 1/10/2019 to 31/12/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
A1	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	23.5 g/hr	BSEN13649	9 October 2019 9:36-10:36	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	116 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	None Detected	BSEN13649	9 October 2019 14:20-15:30	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour	47.9 g/hr	BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour	0.34 mg/m ³	EN13284-1		±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	None Detected	BSEN13649	9 October 2019 10:50-11:50	±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	116 g/hr	BSEN13649		±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.57 mg/m ³	EN13284-1	8 October 2019 10:45 – 11:45	-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	None Detected	BSEN13649	8 October 2019 9:46-10:46	±20.0 %
A38	Total Class B VOCs as Carbon	2000 g/hr	1 hour	1.9 g/hr	BSEN13649		±20.0 %

* (There is a measurement uncertainty of +/- 25%)

[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. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....11/12/2019



(Candice Sankoomar, EHS Manager)