



The Valspar (UK) Corporation, Limited
Packaging Coatings Group
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31 January 2019

Natural Resources Wales
Chester Road
Buckley,
CH7 3AJ

For the attention of Julia Frost

Dear Julia,

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

Annual submissions due 31st January '19 (for year 2018)

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

General Comments

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

The overall specific energy consumption has increased by 4% for 2018 due to an increase in demand for products using resins manufactured on site.

The solvent emissions as a % of solvent input has increased due to the consequence of the flow rate being reported at the low limit of the measuring device. I have taken an action to discuss with the consultants to review equipment for low flow rate measuring devices.

Yours sincerely

Candice Sankoomar
SHE Manager
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: 2018 (January to December)

Water Source	Usage m ³ / year	Specific Usage (m ³ / unit output)
Mains water	15,728 m ³	0.952 m ³ /tonnes
TOTAL WATER USAGE	14,565 m³	

Operator's comments:

There was an increase in specific usage from 2017 to 2018 due to a variance in product grades produced which is driven by market demand.

Production for 2018 – 16,515 tonnes

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

Date.....31/1/19

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 2018 to December 2018

ENERGY SOURCE	ENERGY USAGE QUANTITY	PRIMARY ENERGY (MWh)	Specific Usage (MW/unit output)
Electricity*	2,997 MWh	7193 MWh	0.435 MWh/tonne**
Natural Gas	2,491 MWh	2,491 MWh	0.151 MWh/tonne
Gas Oil	35.56 MWh	35.56 MWh	0.002 MWh/tonne
TOTAL	5,523.56 MWh		0.588 MWh/tonne

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

Operator's comments:

The overall specific energy consumption has increased by 4% for 2018 due to an increase in demand for products using resins manufactured on site.

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

Total production for 2018 16,515 tonnes.

Signed.....*Candice Sankoomar*
(Candice Sankoomar, SHE Manager)

Date.....*31/1/19*.....

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 2018 to December 2018.

Solvent usage (tonnes)	5,877.93 tonnes
Total solvent emissions as a % of solvent input	0.367%

Operator's comments:

Emissions calculated based on emissions points A5 and A37 and workplace monitoring data. For 2018, the site has produced approximate 40% more of 32S product. The change of % of solvent emissions input from 2017 to 2018 was as a consequence of the flow rate being reported at the low limit of the measuring device.

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

Date.....
31/1/19

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 1/01/2018 to 31/03/2018.

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1	Ethyl Acrylate	100 g/hr	1 hour	0.97 g/hr	BSEN13649	14 th February 12:15 – 13:15	±20.0 %
A1	Methyl Acrylate	100 g/hr	1 hour	3.0 g/hr	BSEN13649		±20.0 %
A1	Total VOC	2000 g/hr	1 hour	1711 g/hr	BSEN13649		±20.0 %
A2	Particulate	20 mg/m ³	1 hour	0.49 g/hr	BS3405	15 th February 11:45 – 12:45	-
A2	Ethyl Acrylate	100 g/hr	1 hour	<0.02 g/hr	BSEN13649		±20.0 %
A2	Methyl Acrylate	100 g/hr	1 hour	< 0.02 g/hr	BSEN13649		±20.0 %
A2	Total VOC	2000g/hr	1 hour	<0.22 g/hr	BSEN13649		±20.0 %
A3	Ethyl Acrylate	100 g/hr	1 hour	0.37 g/hr	BSEN13649	14 th February 11:10 – 12:19	±20.0 %
A3	Methyl Acrylate	100 g/hr	1 hour	0.07 g/hr	BSEN13649		±20.0 %
A3	Total VOC	2000 g/hr	1 hour	9.6 g/hr	BSEN13649	15 th February 10:15 – 11:15	±20.0 %
A5	Ethyl Acrylate	100 g/hr	1 hour	11.6 g/hr	BSEN13649		±20.0 %
A5	Methyl Acrylate	100 g/hr	1 hour	0.56 g/hr	BSEN13649		±20.0 %
A5	Total VOC	2000g/hr	1 hour	111 g/hr	BSEN13649		±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.33 g/hr	BS3405	15 th February 2018 10:01 – 10:31, 10:32 – 11:02	-
A37	Ethyl Acrylate	100 g/hr		0.75 g/hr	BSEN13649	14 th February 2018 14:11 – 15:11	±20.0 %
A37	Methyl Acrylate	100 g/hr		<0.05 g/hr	BSEN13649		±20.0 %
A37	Total VOC	2000 g/hr		8.2 g/hr	BSEN13649	14 th Friday 2018 10:44 – 11:44	±20.0 %
A38	Ethyl Acrylate	100 g/hr		0.07 g/hr	BSEN13649		±20.0 %
A38	Methyl Acrylate	100 g/hr		<0.03 g/hr	BSEN13649		±20.0 %
A38	Total VOC	2000 g/hr		0.65 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.

CA
31/1/19

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 1/04/2018 to 30/06/2018

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	12.0 g/hr	BSEN13649	22 nd May 12:28 – 13:28	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	42.6 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	1.7 g/hr	BSEN13649	22 nd May 10:11-11:11	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour	0.38 g/hr	BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour	0.45 mg/m ³	EN13284-1	22 nd May 10:15 – 11:15	±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0.32 g/hr	BSEN13649		±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	13.1 g/hr	BSEN13649	21 st May 2018 11:19 - 11:49, 11:50 - 12:20	±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.93 mg/m ³	EN13284-1		-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	1.3 g/hr	BSEN13649	22 nd May 2018 11:20 – 12:20	±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%)

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[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.

CAF
31/1/19

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 1/07/2018 to 30/09/2018

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	0.73 g/hr	BSEN13649	18 th July 2018 12:25 – 13:25	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	1.8 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour		BSEN13649	No sample. Unable to reach sample port.	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour		BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour		EN13284-1		±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	18.3 g/hr	BSEN13649	18 th July 2018 9:52 – 10:52	±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	3.5 g/hr	BSEN13649		±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.14 mg/m ³	EN13284-1	17 th July 2018 10:23 - 10:53, 10:54 - 11:24	-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	0.53 g/hr	BSEN13649	18 th July 2018 11:10 – 12:10	±20.0 %
A38	Total Class B VOCs as Carbon	2000 g/hr	1 hour	1.4 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.

CAS
31/1/19

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 1/10/2018 to 31/12/2018

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	5.4 g/hr	BSEN13649	10 th October 2018 13:00 – 14:00	±20.0 %
A1	Total Class B VOCs as Carbon	2000 g/hr	1 hour	1956 g/hr	BSEN13649		±20.0 %
A2	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.38 g/hr	BSEN13649	10 th October 2018 10:20 – 11:20	-
A2	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.38 g/hr	BSEN13649		±20.0 %
A2	Particulates	20 mg/m ³	1 hour	0.36 mg/m ³	EN13284-1		±20.0 %
A3	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.23 g/hr	BSEN13649	10 th October 2018 12:42 – 13:42	±20.0 %
A3	Total Class B VOCs as Carbon	2000 g/hr	1 hour	16.6 g/hr	BSEN13649		±20.0 %
A6	Particulate	20mg/m ³	1 hour	0.28 mg/m ³	EN13284-1	11 th October 2018 10:07 - 10:37, 10:38 - 11:08	-
A38	Total Class A VOCs as individual VOCs	100 g/hr	1 hour	<0.29 g/hr	BSEN13649	10 th October 2018 11:40 – 12:40	±20.0 %
A38	Total Class B VOCs as Carbon	2000 g/hr	1 hour	<0.29 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.

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31/1/19