valspar

The Valspar (UK) Corporation, Limited
Packaging Coatings Group
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21st January 2014

Environmental Agency Wales
Chester road
Buckley,
CH7 3AJ

For the attention of Ian Oakes

Dear Ian,

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

Annual submissions due 31st January '14 (for year 2013)

1. Reporting of water usage
2. Reporting of energy usage for the year
3. Reporting of other performance indicators for the period
4. VOC's annual report – Q1 – Q4
5. VOC's from tank farm – using BCF VOC Workbook
6. Waste for year 2012

Yours sincerely

T Lunt

pp A Bell
HSE Manager
Valspar (UK) Corporation Ltd

Permit Number: BU7545IM **Operator: Valspar (UK) Corporation Ltd**

Installation: Deeside Packaging Coatings **Form number: WaterUsage1 /04/04/07**

Reporting of Water Usage for the year: January '13 to December '13

Water Source	Usage m3 / year	Specific Usage (m3 / unit output)
Mains water	21,220 m3	1.194
TOTAL WATER USAGE	21,220 m3	

Operator's comments:
Specific usage calculated as 21,220 m3/17,768 tonnes of production.

Signed: T Lunt pp A Bell **Date**: 20th January '13.
(authorised to sign as representative of Operator)

Forms Retained by HSE Department (Retain for 6 years)

Permit Number: BU7545IM **Operator: Valspar (UK) Corporation Ltd**

Installation: Deeside Packaging Coatings **Form number: Energy 1 04/04/07**

Reporting of energy usage for the year: January '13 to December'13.

ENERGY SOURCE	ENERGY USAGE QUANTITY	PRIMARY ENERGY (MWh)	Specific Usage (MW/unit output)
Electricity*	3,216 MWh	7,718 MWh	
Natural Gas	2,743 MWh	2,743	
Gas Oil	100.364 MWh	100	
		11,461	
TOTAL	**6,059 MWh**	2	

*** Conversion factor for delivered electricity to primary energy =** 2.4 2.6

Operator's comments:

11461/17,768t = 0.645MWh/t.

Signed: T Lunt pp A Bell **Date:** 20th January '14.

(Authorised to sign as representative of Operator)

Forms Retained by HSE Department (Retain for 6 years)

Permit Number: BU7545IM **Operator; Valspar (UK) Corporation Ltd**

Installation: Deeside Packaging Coatings **Form number: Performance1/04/07**

Reporting of other performance indicators for the period: January '13 to December '13.

Solvent usage (tonnes)	4,470 tonnes
Total solvent emissions as a % of solvent input	

Operator's comments:

Signed: T Lunt pp A Bell. **Date:** 20th January '14.
(Authorised to sign as representative of Operator)

Forms Retained by HSE Department (Retain for 6 years)

Permit Number: BU7545IM Operator: Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings Form Number: Air1 / 04/04/07

Reporting of emissions to air for the period from 01/01/2013 to 31/03/2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	Total Class B VOCs	2 kg/hr	1 hour	0.242 kg/hr	BS EN 13649	10:20-12:10 (06/03/13)	33 to 300%
A1	Class A VOCs	100 g/hr	1 hour	<3.0 g/hr	BS EN 13649	10:20-11:20 (06/03/13)	±30%
A2	Total Class B VOCs	2 kg/hr	1 hour	0.002 kg/hr	BS EN 13649	11:25-12:25 (06/03/13)	33 to 300%
A2	Class A VOCs	100 g/hr	1 hour	<4.0 g/hr	BS EN 13649	11:25-12:25 (06/03/13)	±30%
A2	Particulates	20 mg/m^3	1 hour	<0.2 mg/m^3	BS 3405	09:15-10:15 (06/03/13)	±25%
A3	Total Class B VOCs	2 kg/hr	1 hour	0.163 kg/hr	BS EN 13649	12:26-13:36 (06/03/13)	33 to 300%
A3	Class A VOCs	100 g/hr	1 hour	<2.2 g/hr	BS EN 13649	12:26-13:36 (06/03/13)	±30%
A5	Total Class B VOCs	2 kg/hr	1 hour	0.66 kg/hr	BS EN 13649	13:45-14:45 (06/03/13)	33 to 300%
A5	Class A VOCs	100 g/hr	1 hour	<3.6 g/hr	BS EN 13649	13:45-14:45 (06/03/13)	±30%
A6	Particulates	No limit	1 hour	<0.2 mg/m^3	BS3405	15:00-16:00 (06/03/13)	±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: T Lunt pp A Bell. Date: 20th January '14

(Authorised to sign as representative of Operator)

Permit Number: BU7545IM Operator: Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings Form Number: Air1 / 04/04/07

Reporting of emissions to air for the period from 01/04/2013 to 30/06/2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	Total Class B VOCs	2 kg/hr	1 hour	0.77 kg/hr	BS EN 13649	10:20-11:20 (04/06/13)	33 to 300%
A1	Class A VOCs	100 g/hr	1 hour	<4.2 g/hr	BS EN 13649	10:20-11:20 (04/06/13)	±30%
A2	Total Class B VOCs	2 kg/hr	1 hour	0.002 kg/hr	BS EN 13649	10:10-11:10 (04/06/13)	33 to 300%
A2	Class A VOCs	100 g/hr	1 hour	<4.8 g/hr	BS EN 13649	10:10-11:10 (04/06/13)	±30%
A2	Particulates	20 mg/m^3	1 hour	<0.2 mg/m^3	BS 3405	10:10-11:10 (04/06/13)	±25%
A3	Total Class B VOCs	2 kg/hr	1 hour	0.058 kg/hr	BS EN 13649	12:35-13:35 (04/06/13)	33 to 300%
A3	Class A VOCs	100 g/hr	1 hour	<27.0 g/hr	BS EN 13649	12:35-13:35 (04/06/13)	±30%
A5	Total Class B VOCs	2 kg/hr	1 hour	1.005 kg/hr	BS EN 13649	13:40-14:40 (04/06/13)	33 to 300%
A5	Class A VOCs	100 g/hr	1 hour	<7.4 g/hr	BS EN 13649	13:40-14:40 (04/06/13)	±30%
A6	Particulates	No limit	1 hour	1.1 mg/m^3	BS3405	14:00-15:00 (04/06/13)	±25%

[5] 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.

[6] 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.

[7] 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.

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

Signed: T Lunt pp A Bell. Date: 20th January '14.

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Permit Number: BU7545IM Operator: Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings Form Number: Air1 / 04/04/07

Reporting of emissions to air for the period from 01/07/2013 to 30/09/2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	Total Class B VOCs	2 kg/hr	1 hour	<0.001 kg/hr	BS EN 13649	11:10-12:10 (02/09/13)	33 to 300%
A1	Class A VOCs	100 g/hr	1 hour	0.7 g/hr	BS EN 13649	11:10-12:10 (02/09/13)	±30%
A2	Total Class B VOCs	2 kg/hr	1 hour	8.254 kg/hr	BS EN 13649	11:00-12:00 (02/09/13)	33 to 300%
A2	Class A VOCs	100 g/hr	1 hour	9.5 g/hr	BS EN 13649	11:00-12:00 (02/09/13)	±30%
A2	Particulates	20 mg/m^3	1 hour	9.2 mg/m^3	BS 3405	11:00-12:00 (02/09/13)	±25%
A3	Total Class B VOCs	2 kg/hr	1 hour	0.123 kg/hr	BS EN 13649	12:35-13:35 (02/09/13)	33 to 300%
A3	Class A VOCs	100 g/hr	1 hour	0.2 g/hr	BS EN 13649	12:35-13:35 (02/09/13)	±30%
A5	Total Class B VOCs	2 kg/hr	1 hour	3.57 kg/hr	BS EN 13649	12:10-13:20 (02/09/13)	33 to 300%
A5	Class A VOCs	100 g/hr	1 hour	3.2 g/hr	BS EN 13649	12:10-13:20 (02/09/13)	±30%
A6	Particulates	No limit	1 hour	1.8 mg/m^3	BS3405	13:25-14:25 (02/09/13)	±25%

[9] 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.

[10] 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.

[11] 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.

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

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Permit Number: BU7545IM Operator: Valspar (UK) Corporation Ltd

Installation: Deeside Packaging Coatings Form Number: Air1 / 04/04/07

Reporting of emissions to air for the period from 01/10/2013 to 31/12/2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	Total Class B VOCs	2 kg/hr	1 hour	0.244 kg/hr	BS EN 13649	10:45-11:45 (02/12/13)	33 to 300%
A1	Class A VOCs	100 g/hr	1 hour	0.6 g/hr	BS EN 13649	10:45-11:45 (02/12/13)	±30%
A2	Total Class B VOCs	2 kg/hr	1 hour	0.004 kg/hr	BS EN 13649	12:00-13:00 (02/12/13)	33 to 300%
A2	Class A VOCs	100 g/hr	1 hour	0.8 g/hr	BS EN 13649	12:00-13:00 (02/12/13)	±30%
A2	Particulates	20 mg/m^3	1 hour	6.7 mg/m^3	BS 3405	10:45-11:45 (02/12/13)	±25%
A3	Total Class B VOCs	2 kg/hr	1 hour	0.012 kg/hr	BS EN 13649	13:15-14:15 (02/12/13)	33 to 300%
A3	Class A VOCs	100 g/hr	1 hour	4.5 g/hr	BS EN 13649	13:15-14:15 (02/12/13)	±30%
A5	Total Class B VOCs	2 kg/hr	1 hour	1.248 kg/hr	BS EN 13649	13:10-14:10 (02/12/13)	33 to 300%
A5	Class A VOCs	100 g/hr	1 hour	0.8 g/hr	BS EN 13649	13:10-14:10 (02/12/13)	±30%
A6	Particulates	No limit	1 hour	<3.0 mg/m^3	BS3405	12:00-13:00 (02/12/13)	±25%

[13] 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.

[14] 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.

[15] 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.

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

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(Authorised to sign as representative of Operator)

TANK FARM DELIVERY 2013

Release Point	Species	Total kgs	Sg	Volume m3 - Kgs/Sg	mol wt	Vapour Press (Kpas @20C)	CAS	Mwt Vap *Vapour Pressure* consumption M3	8.314*Av Temp (K)	Filling losses Kg per year - Vapour/temp
Tank # 1 & 2	Ethyl Diglycol TE0001A	1622860	0.989	1641	134.1	0.024	111-90-0	5281.104777	2367.0812	2.23
Tank # 3	Solvesso 100/Naptha TR1002B	504151	0.878	574	127	0.194	64742-95-6	14147.23501	2367.0812	5.98
Tank # 4	Xylene TR0004A	842741	0.87	969	106	0.74	1330-20-7	75982.30349	2367.0812	32.10
Tank # 5	Epikote 828 RE0276B	2682637	1.16	2313	374	0	25068-38-6	0	2367.0812	0.00
Tank # 6	Dowanol PM TE0036A	24150	0.921	26	90.1	1.33	107-98-2	3142.200814	2367.0812	1.33
Tank # 7 & 13	MEK TK0012A	308100	0.806	382	72.1	9.459	78-93-3	260697.6682	2367.0812	110.13
Tank # 8	Dowanol PMA TE0055A	197330	0.966	204	132.2	0.337	108-65-6	9100.753377	2367.0812	3.84
Tank # 9	Normal Butanol TC0003A	863542	0.81	1066	74.1	0.566	71-36-3	44712.92544	2367.0812	18.89
Tank # 10	Butyl Glycol Ether TE0003A	796644	0.902	883	118.2	0.118	111-76-2	12318.48321	2367.0812	5.20
Tank # 11	Methacrylic Acid MQ0025A	87380	1.01	87	86.09	0.13	79-41-4	968.2482634	2367.0812	0.41
Tank # 12	DMEA CM0564A	162030	1.01	160	86.09	0.13	79-41-4	1795.436783	2367.0812	0.76
Tank # 14	Wash Solvent	16026	0.82784	19	83.983	3.585	N/A	5828.104953	2367.0812	2.46
Tank # 16	Butyl DiGlycol TE0027A	123819	0.887	140	89.1	0.56	108-01-0	6965.132834	2367.0812	2.94
Tank # 17	BCA - TE0047A	181770	0.972	187	160.21	0.03	112-07-2	898.8077685	2367.0812	0.38
No name	EDG-BuOH 2:1 TS0176M	643720	0.9284	693	113.99	0.204	N/A	16159.3444	2367.0812	6.83
ST #8	Ethyl Acrylate MQ0037A	6929889	0.923	7508	100	3.9		2928122.113	2367.0812	1237.02
Totals (kgs)		15986789								1431

Valspar Deeside - Waste Jan to Dec 2013

2013	Total Quantity kg			
EWC	Volume kgs	Non Hazardous Waste kgs	Hazardous waste kgs	Disposal/ recycle route
06 02 04	11000	11000		D15
07 01 01*				D15
07 07 04*	12800		12800	R5
08 01 11*	168893		168893	D15
08 01 12	29060		29060	D15
08 01 13*	310		310	D15
08 01 14				D15
08 01 19*				D15
08 01 20	50820		50820	D15
08 04 09	32600		32600	D15
08 04 09 *				D15
08 04 10	6800		6800	R1
08 04 15*				D15
13 03 01	1400		1400	R1
14 06 03	2006		2006	R1
15 01 02	684	684		D1
15 01 03	41412	41412		R4
15 01 04				R4
15 01 06	2600	2600		R4
15 01 10*	150770	150770		R4
15 02 02*	8589		8589	D15
15 02 03	13700	13700		D15
16 03 03*				D15
16 03 04	180	180		D15
16 03 06	7080		7080	D15
16 10 01	15179		15179	D15
16 10 02				D15
17 04 05	6760	6760		R4
20 01 01	19			D10
20 01 35*				D15
20 03 01	48404			D15
	611066	**227106**	**335537**	
		28201	Haz recycled	
		307336	Haz disposed	
		24880	Non haz disposed	
		202226	Non haz recovered	