THE PRIME CONNECTION

VOC EXHAUST SAMPLING

MARCH 2007

RECORDED BY: R.N. VESEY

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R.W. VESEY LTD.

EXHAUST STACK GASES AND VAPOURS EMISSION SAMPLE

CERTIFICATE NUMBER: PRIM002

DATE: 26TH MARCH 2007

CUSTOMER: THE PRIME CONNECTION

PROCESS EQUIPMENT REF: DOOR FOAM FILLER EXHAUST

MATERIAL: ISOCYANATE

EXHAUST STACK VELOCITY (m/s)/TEMPERATURE(oC) TEST:

	A	B	C	D	E	F	G	H	J	K
VELOCITY	8.50	2.20	2.40	6.70	8.30					
TEMP (°C)	18.4									

AVERAGE MEASURED VELOCITY (m/s): 5.62

EXHAUST DUCT DIAMETER (mm): 250

EXHAUST DUCT DIMENSIONS (mm): x

EXHAUST DUCT AREA (m^2): 0.049

AIR VOLUME @ 0° CELSIUS(nm^3/s): 0.26

AIR VOLUME @ 0° CELSIUS(nm^3/min): 15

SAMPLE AIR VOLUME LITRES/MINUTE (ACTUAL): 2

SAMPLE DURATION (MINUTES): 180

NUMBER OF PADS: 1

REFERENCE NUMBER OF TUBE: PRIM 1/07

TARGET POLLUTANT ISOCYANATE

EMISSION LEVEL @ 0° CELSIUS (mg/m^3): 0.001

WHAT IS THE MAXIMUM AUTHORISED EMISSION LEVEL: $0.1 mg/m^3$

COMMENT

SIGNED [redacted]

R.W. VESEY LTD.
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TEL: 0116 2696241
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RPS Laboratories

UKAS TESTING 0605

Test Certificate

Date 10/04/2007

Client	R W Vesey Ltd 734 Melton Road Thurmaston Leicestershire LE4 8DB	Order No.	PRI/014377
		Certificate No.	WK07-1742
		Issue No.	1

Contact	Sandra Vesey	Date Received	28/03/2007
Description	1 sample for MDI	Technique	HPLC

Sample No.	446764	PRI001/07		Method
MDI as nco	0.44 µg	0.001 mg/m³	<0.001 mg/m³as TWA	I3(U)

Tested By Lora McKerracher Date 10/04/2007

Approved By [redacted] Date 10/04/2007

Jon Ashcroft
Senior Chemist

For and on authority of RPS Laboratories Ltd.

Standard terms and conditions are applicable, a copy is available on request

Method Symbols
(U) Analysis is UKAS Accredited
(N) Analysis is not UKAS Accredited
(S) Analysis is Subcontracted

Concentration values (mg/m3 and ppm) are provided to assist with interpretation only, they are not covered by the scope of UKAS accreditation

Analysis carried out on samples 'as received'

RPS Laboratories Ltd. Unit 12, Waters Edge Business Park, Modwen Road, Salford, M5 3EZ
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The Prime Connection
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Email: info@theprimeconnection.co.uk

Janine Dickinson
Coventry City Council
Environmental Protection
Broadgate House
Broadgate
Coventry
CV1 1NH

27th April 2007

Dear Janine,

RE: Emissions Monitoring

Please find enclosed the VOC exhaust sampling Report for the monitoring that took place on the 26th March 2007. You will notice from the results that the VOC emission level was 0.001mg/m^3 which is within the maximum authorised emission limit stated in our permit of 0.1mg/m^3. Normal production flows were carried out throughout the sampling period. The Prime Connection production log below should supply the necessary details.

Amount of doors	Batch Number	Load Number	Time in press	Time out press	Total time in press
3	868	T0017412	9.35 am	10.03 am	27 mins
1	814	T0017235	9.35 am	10.03 am	27 mins
2	869	T0017429	9.35 am	10.03 am	27 mins
6	869	T0017429	10.14 am	10.41 am	27 mins
4	869	T0017429	10.56 am	11.24 am	32 mins
2	868	T0017412	10.56 am	11.24 am	27 mins
5	869	T0017429	11.43 am	12.16 pm	27 mins
1	810	T0017933	11.43 am	12.16 pm	27 mins
2	810	T0011044	12.33 pm	12.58 pm	25 mins
2	810	T001046	12.33 pm	12.58 pm	25 mins
1	810	T0016990	12.33 pm	12.58 pm	25 mins
1	810	T0017033	12.33 pm	12.58 pm	25 mins

Week	Average number of doors manufactured in one day	Number of doors manufactured in one week.
9	48	241
10	51	257
11	22	113
12	23	115
13	42	212
14	25	128

In the table above I have also shown the number of doors that we fabricated six weeks before the monitoring took place. As you can see our orders have varied quite significantly (This is due to customer orders). However, hopefully you can see that during the week the monitoring was carried out this was a week where we manufactured a higher amount of doors.

Methodology

R.W. Vesey Ltd. Utilise the main principles of MDHS 25/3 for exhaust stack testing. The procedure is as follows:

1. A 25mm pre-treated (Toluene) sample pad (supplied by RPS Laboratories) is inserted into the duct at right angles to the airflow.
2. A sample airflow is exhausted through the pad at a rate of 2 litres/minute.
3. The sample period is not less than 3 hours, resulting in a sa,ple air volume in excess of 360 litres.
4. The sample head is removed from the duct at the end of the sampling period. The filter pad is removed and immediately immersed in Toluene.
5. The sample pad and container are then forwarded to RPS Laboratories for analysis.

6. RPS Laboratories carry out the analysis in accordance with their in-house Method 13 (see description attached), covered by the UKAS accreditation.

Sampling

Equipment used

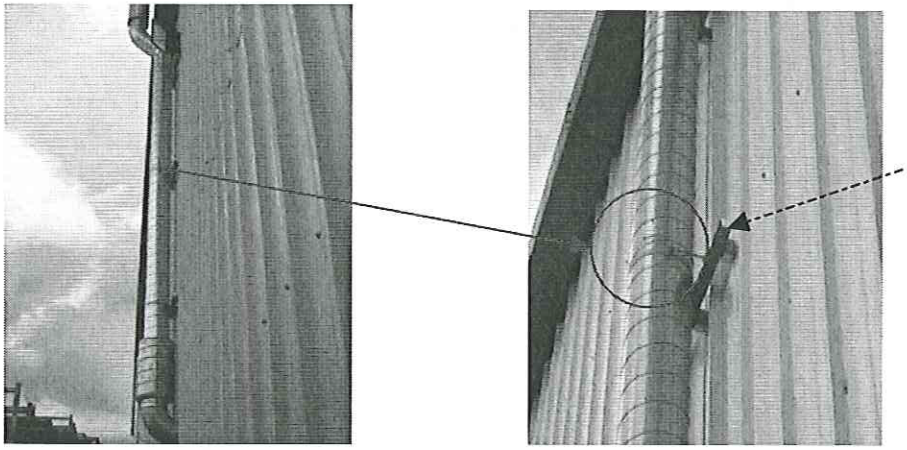
1. Cassella Sampling pump- Model: AFC123

Serial No. 006366

Calibration Date: 09/01/06

2. Cassella Sampling Head- Model: B8254/2

Sampling Location



Sampling point - you can see where R.W Vesey has covered the sampling point

I trust that the enclosed information is satisfactory, but if you have any further questions or queries, please do not hesitate to contact me.

Yours Sincerely,

[redacted]

Lian Spooner
Environmental Administrator
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