

THE PRIME CONNECTION

VOC EXHAUST SAMPLING

MARCH 2006

RECORDED BY: R.N. VESEY

**R.W. VESEY LTD.,
734, MELTON ROAD,
THURMASTON,
LEICESTER. LE4 8BD**

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R.W. VESEY LTD.

AIR AND SAFETY MANAGEMENT
DESIGNERS - CONSULTANTS - CONTRACTORS

TEL: 0116 269 6241
FAX: 0116 269 6243

10th April 2006

Our ref: 0306VOC

WHS Halo,
Water Orton Lane,
Sutton Coldfield,
West Midlands,
B76 9BW

For the attention of: Ms. C. Goodby

Dear Madam,

RE: THE PRIME CONNECTION EXHAUST STACK SAMPLING -
MARCH 2006

We thank you for the courtesy extended to the writer during the recent visit to the Prime Connection site on the 27th March 2006 in order to carry out V.O.C sampling on the exhaust stacks.

Please find enclosed the exhaust stack sample certificate detailing the result of the V.O.C test that was carried out.

DOOR FOAM FILLER EXHAUST

V.O.C Isocyanate: < 0.005mg/m³

We trust that you will find the enclosed certificate comprehensive and satisfactory for your requirements. Should you have any queries, please do not hesitate to contact us.

Yours faithfully,


R.N. VESEY

encl.

734, MELTON ROAD, THURMASTON, LEICESTER. LE4 8BD

E-MAIL: - info@vesey-airflow.com

WEB SITE: - www.vesey-airflow.com

REG. No. 2793681



R.W. VESEY LTD.
EXHAUST STACK GASES AND VAPOURS EMISSION SAMPLE

CERTIFICATE NUMBER:

PRIM001

DATE:

27TH MARCH 2006

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)	11.6									

AVERAGE MEASURED VELOCITY (m/s):

5.62

EXHAUST DUCT DIAMETER (mm):

250

EXHAUST DUCT DIMENSIONS (mm):

x

EXHAUST DUCT AREA (m²):

0.049

AIR VOLUME @ 0° CELSIUS(nm³/s):

0.26

AIR VOLUME @ 0° CELSIUS(nm³/min):

16

SAMPLE AIR VOLUME LITRES/MINUTE (ACTUAL):

2

SAMPLE DURATION (MINUTES):

197

NUMBER OF PADS:

1

REFERENCE NUMBER OF TUBE:

PRIM 1

TARGET POLLUTANT

ISOCYANATE

EMISSION LEVEL @ 0° CELSIUS (mg/m³):

< 0.005

WHAT IS THE MAXIMUM AUTHORISED EMISSION LEVEL: NOT SPECIFIED

COMMENT

SIGNED



R.W. VESEY LTD.
 734, MELTON ROAD
 THURMASTON
 LEICESTER
 LE4 8BD
 TEL: 0116 2696241
 FAX: 0116 2696243



RPS Laboratories . Unit 12 . Waters Edge Business Park . Modwen Road . Salford . M5 3EZ
Tel: (0161) 872 2443 . Fax: (0161) 877 3959

Test Certificate

R W VESEY LTD
734 MELTON ROAD
THURMASTON
LEICESTERSHIRE

CRT No 050044 : Issue 1
Ord No PRI/013932

LE4 8DB

Date Tested 04/04/06
Date Reported 04/04/06

Attn: S VESEY

Item - 1 FILTER FOR MDI

Specification- Not Applicable

02480 UNLABELLED SAMPLE

Sample	Test Description	Specification	Result	Comments
01:	MDI as NCO	In-House Method I3	<0.20 ug	<0.005 mg/m3

Certificate Comments

Date of sample receipt: 28/03/2006

If you have any queries regarding this analysis please do not hesitate to contact the Laboratory Manager, Joanne Dewhurst.

Analysis was carried out on the samples 'as received'.

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

The analytical results on this certificate are covered by the scope of UKAS accreditation. The concentration values have been provided to assist with interpretation only.

Tested by Kate Rawlinson



For and on authority of
RPS Laboratories



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 Minworth
 Sutton Coldfield B76 9BW
 United Kingdom
 Telephone: 0121 749 8170
 Fax: 0121 749 8186
 Email: info@theprimeconnection.co.uk

Rachel King
 Coventry City Council
 Public Protection
 Room 305 Broadgate House
 Coventry
 CV1 1NH

22nd May 2006
 RECEIVED
 26 MAY 2006
 PUBLIC PROTECTION

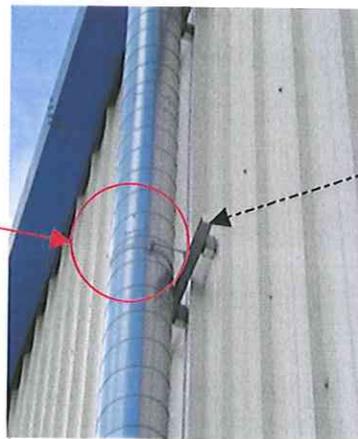
Dear Rachel,

RE: Emissions Monitoring - additional information

Further to your letter dated 2nd May, please find attached a letter from R.W Vesey, which hopefully answer all your questions. With reference to the activities that were being carried out during the monitoring, please see below the quantity of doors that we fabricated on the day the monitoring took place. I have also shown the number of doors that we fabricated the rest of that week, just so you can see that Monday 27th was a 'normal' production day.

Date	Quantity Doors Fabricated
27/03/06	63
28/03/06	86
29/03/06	63
30/03/06	62
31/03/06 (half day production)	34

Regarding sampling location, I have attached a photograph showing the sampling point that R.W. Vesey used.



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



FM22840



BS5713
 KM22839



BS7412
 KM28959
 KM33504



A member of the
 Glass & Glazing
 Federation



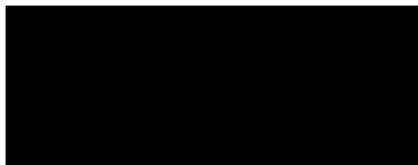
Registered Company



A member of the
 British Plastics
 Federation

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,



Claire Goodby
Sustainability Manager
CG184

17th May 2006

Our ref: 0910106/A/SMA

WHS Halo,
Water Orton Lane,
Sutton Coldfield,
West Midlands,
B76 9BW.

For the attention of: Ms. C. Goodby

Dear Madam,

RE: THE PRIME CONNECTION - COVENTRY
VOC EXHAUST SAMPLING

Further to your recent request, please find outlined below the information that you require following our recent visit to The Prime Connection site to carry out VOC Isocyanate exhaust sampling.

MDHS 25/3 provides for personal air sampling of personnel in the workplace.

At R.W. Vesey Ltd. we are not aware of a separate standard for the measurement of Isocyanate concentration in powered exhaust ducts. R.W. Vesey Ltd. utilize 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 (in this case 3 hours & 17 minutes) resulting in a sample air volume in excess of 360 litres.

DO 16702.4 - isocyanate work place sampling. Fits description of method IS at RPS Labs.

1.

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 I3 (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

CERTAINTY

The isocyanate content was below detectable levels – certainty prediction becomes pointless in these circumstances.

PRODUCTION

Normal production flows were carried out throughout the sampling period – The Prime Connection production log should supply the necessary detail.

We trust that the above meets with your requirements, but should you have any queries, please do not hesitate to contact us.

Yours faithfully,



 **R.W. VESEY**



15016702.4

Method I3 – as described by RPS Laboratories

Internal method I3 is based on MDHS 25/3. Samples are measured on absorbing solutions or filters impregnated with 1-(2-methoxyphenyl) piperazine. The isocyanate reacts to form a urea derivative. The resultant solution is concentrated and analysed by HPLC with ultraviolet(UV) and electrochemical detection(EC). Isocyanate derived peaks are identified on the basis of their EC to UV response. Quantification is by comparison of the relevant monomer peak. Bulk samples, if available can be used to confirm the presence of polymers.