CASELLA
CRE EMISSIONS

Stack Emission Monitoring Report

The Prime Connection

Coventry

May 2005

Unit C1, Broadoak Business Park, Ashburton Road West, Trafford Park, Manchester, M17 1RW
T +44 (0)161 888 7100 F +44 (0)161 888 7102 E info@casellagroup.com

CASELLA
CRE EMISSIONS

Part 1 Executive Summary

Operator	The Prime Connection
Site	Courtalds House Courtalds Way Coventry CV6 5NH
Plant	Foam Injector Table
IPC Authorisation	PPC/165
Monitoring Date	06/05/05
Casella Project Number	MMCX0270
Approved By	Adam Crowe
MCERTS Number	MM 03 157
MCERTS Accreditation	Level 2, TE1, TE2, TE3, TE4
Position	Location Manager
Signed	[redacted]
Monitoring Organisation	Casella CRE Emissions Unit C1 Broadoak Business Park Ashburton Road West Trafford Park M17 1RW
Report Ref	MMCX0270/AC/Rep1/Rev0
Issue Date	20th July 2005

Contents

1 Introduction

The Prime Connection operates a chemical process at its Coventry site.

The process is regulated with respect to its emissions to atmosphere by the IPPC Regulations 2000. Under this legislation potentially harmful emissions are to meet the emission concentration limits specified in the site permit.

In order to check compliance with those emission limits, The Prime Connection contracted Casella CRE Emissions of Manchester to quantify the emissions from the process.

The project was given the Casella CRE Emissions Project Number MMCX0270.

The work was carried out on the 6th May 2005 by the following Site Team:

Team Leader: Mark Stowell
MCERTS Level 2, TE1
MM 02 025

This report was prepared by Mark Stowell.

2 Sampling Methods

Sampling methods were chosen according to the hierarchy of methods outlined in Environment Agency Technical Guidance Document (Monitoring) M2. i.e. CEN, ISO, BS, US EPA etc.

Table 1 details the sampling methods used and the parameters monitored at each emission point:

Parameter	Method	Technical Procedure	Accreditation	Foam Injection Table
Isocyanates	ISO 16702.4	TP42-IEM	UKAS/ MCERTS	✓

3 Summary of Results

The following tables are a summary of the results of the monitoring exercise. The site data record sheets are given in the appendix to this report. Results marked with a (U) are entirely covered by UKAS accreditation.

3.1 Foam Injection Table – 06/05/05

Pollutant Parameters

Parameter	Time	Unit	Result	ELV	Uncertainty +/-
Total Isocyanates(U)	12:08-13:08	mg/m³	<0.1	0.1	n/a

Note: Stack emission concentrations are expressed at reference conditions 273K and 101.3kPa, wet.

4 Sampling Location and Process Details

4.1 Foam Injection Table

Configuration	Circular, vertical
No. of Sample Lines	1
Sample Points per Line	1

The process was operating normally, with doors every 12-18 minutes.

5 Monitoring Deviations

5.1 Foam Injection Table

All parameters were monitored according to the monitoring objectives, with no deviations from the required sampling methods.

Part 2 Appendix

Operator	The Prime Connection
Site	Courtalds House Courtalds Way Coventry CV6 5NH
Plant	Foam Injector Table
IPC Authorisation	PPC/165
Monitoring Date	06/05/05
Casella Project Number	MMCX0270
Approved By	Adam Crowe
MCERTS Number	MM 03 157
MCERTS Accreditation	Level 2, TE1, TE2, TE3, TE4
Position	Location Manager
Signed	[redacted]
Monitoring Organisation	Casella CRE Emissions Unit C1 Broadoak Business Park Ashburton Road West Trafford Park M17 1RW
Report Ref	MMCX0270/AC/Rep1/Rev0
Issue Date	20th July 2005

Appendix

Schedule of Tables

Table A.1.1

ORGANIC COMPOUNDS

Client	The Prime Connection	Sample Methods	TP 42
Site Address	Coventry	Rotameter ID	1423
Job Number	MMCX0270	Thermometer ID	C29
Date	06-May-05	Temperature Source	C362
Operator(s)	MS	Barometer ID	N/A

Pump No.	Sample ID	Parameter	Location / Process / Operator	Pump Flow (cals/min)		Sample Duration (mins)		Total Volume (l)	Gas Temp (C)	Atmos Pressure (mbars)	Mass of Analyte (ug)	Concentration (ng/Nm3)
N/A	MMCX0270/1	TDI as NCO	Foam Injection Table	Initial	800.00	Start	12:08	48	17.0	1013	< 0.005	< 0.1
				Final	800.00	Finish	13:08					
				Average	800.00	Total	60					
				Initial		Start						
				Final		Finish						
				Average		Total						
				Initial		Start						
				Final		Finish						
				Average		Total						
				Initial		Start						
				Final		Finish						
				Average		Total						
				Initial		Start						
				Final		Finish						
				Average		Total						
				Initial		Start						
				Final		Finish						
				Average		Total						

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

Test Certificate

CASELLA CRE EMISSIONS
BLAKELANDS HOUSE
400 ALDRIDGE ROAD
GREAT BARR
BIRMINGHAM
B44 8BH

CRT No 041099 : Issue 1
Ord No MMCX0270

Date Tested 07/06/05
Date Reported 07/06/05

Attn: PAUL JONES-(MCERTS LEVEL 2)

Item - 2 SOLUTIONS FOR HDI, MDI, TDI & IPDI

Specification- Not Applicable

362149 MMCX0270/1

Sample	Test Description	Specification	Result	Comments
01	HDI as NCO	In-House Method I3	<0.5 ug	Nil
02	IPDI as NCO	In-House Method I3	<0.5 ug	Nil
03	MDI as NCO	In-House Method I3	<0.5 ug	Nil
04	TDI as NCO	In-House Method I3	<0.5 ug	Nil

362150 MMCX0270/2

Sample	Test Description	Specification	Result	Comments
05	HDI as NCO	In-House Method I3	<0.5 ug	Nil
06	IPDI as NCO	In-House Method I3	<0.5 ug	Nil
07	MDI as NCO	In-House Method I3	<0.5 ug	Nil
08	TDI as NCO	In-House Method I3	<0.5 ug	Nil

Certificate Comments

Date of sample receipt: 27/05/2005

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.

Tested by Caroline Smalley

[redacted]

For and on authority of
RPS Laboratories