

Stack Emission-Monitoring Report

The Prime Connection

Coventry

May 2005



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

Signed

Monitoring Organisation

MCERTS Accreditation Level 2, TE1, TE2, TE3, TE4

Position Location Manager

Unit C1 Broadoak Business Park

Ashburton Road West

Casella CRE Emissions

Trafford Park M17 1RW

Report Ref MMCX0270/AC/Rep1/Rev0

Issue Date 20th July 2005



IPC Authorisation PPC/165



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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

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Unit C1 Broadoak Business Park

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Appendix

Schedule of Tables

Foam Injection Table
A.1.1 T33 Sampling Sheet

Laboratory Analysis Report

Casella

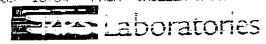
ORGANIC COMPOUNDS

Table A.1.1

(38) (38) 8 December 1822 MMCX0270 06-May-05 Coventry

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Gui Temp (C)	100000000000000000000000000000000000000	0.71														<u> </u>		
Total Volume		84			.	•		,				,			- -		7	
Sample Direction (mins)	12:08	13:08	60				 	 					 				1	
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Assemble () well being a proper off.		Foam Injection Table Figure 1		Jackin .					ŀ	I FIJE	Total Control of the	Maria			ĺ	(mg)ur)	Paris	Niegan.





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

CRT No. 041099 : Issue 1 Ord No MMCX0270

BIRMINGHAM 844 88H

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

1

Attn: PAUL JONES-(MCERTS LEVEL 2)

- 2 SOLUTIONS FOR HDI, MDI, TDI & IPDI

Specification - Not Applicable

A62149	MMCX0270/1	기가 가장 현광 및 패션보 기가 가장 보다 기가 되었다.		trianita (n. 1865) Marianta	
Sample	Fest Description	Specification Specification	Result	Comments	
01 02: 03: 04:	HDI as NCO LPCI as NCO MOI as NCO TDI as NCO	In-House Method I3 In-House Method I3 In-House Method I3 In-House Method I3	<0.5 ug <0.5 ug <0.5 ug <0.5 ug	NIT NIT NIT NIT	

362150 MMCX0270/2				
Sample	Test Description	Specification	Result	Comments
05: 06. €7: 08:	HOT as NCO IPDI as NCO MDI as NCO TDI as NCO	In-House Method I3 In-House Method I3 In-House Method I3 In-Mouse Method I3	<0.5 ug <0.5 ug <0.5 ug <0.5 ug	11

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.

Caroline Smalley Tested by

For and on authority of RPS Laboratories

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