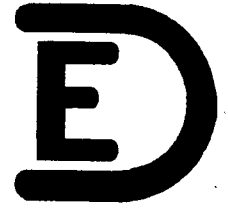


Dust Environmental (Engineering) Limited



Reg No: 70557

VAT No: 343 2993 45

Telephone: (01924) 263453

Fax No: (01924) 263818

E.Mail: admin@-control.co.uk

Unit 2, Ashley Industrial Estate, Wakefield Road, OSSETT, West Yorkshire WF5 9JD

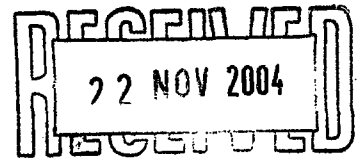
Our Ref.

Your Ref.

Date.

Sundown Straw Products Ltd
Station Road
Tilbrook
Huntingdon
Cambs
PE18 6YN

18.11.04



For the attention of Mr. Tony Wells

Dear Sirs,

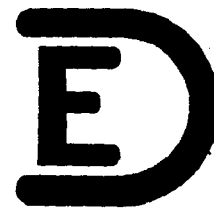
RE: ISO-KINETIC SAMPLING

Please find attached the results of the above sampling which are once again within our expectations, the Cooler slightly higher and the Tub system around 10% less.

Regards


Graham Teal
Director.

Dust Environmental (Engineering) Limited



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Unit 2, Ashley Industrial Estate, Wakefield Road, OSSETT, West Yorkshire WF5 9JD

Our Ref.

Your Ref.

Date.

ISO-KINETIC SAMPLING (1)

COMPANY NAME: SUNDOWN STRAW PRODUCTS LTD

ADDRESS:

Station Road
Tilbrook
Huntingdon
Cams
PE18 6YN

REF NO: W3237

TEL No. 01480 860745

FAX No. 01480 860781

PLANT:

Pellet Cooler System

ARRESTMENT PLANT:

Primary H.E. Cyclone

AUTHORISATION:

Mr Tony Wells

TEST BY:

G.M.Teal

SIGNATURE:

DATE: 3.11.04

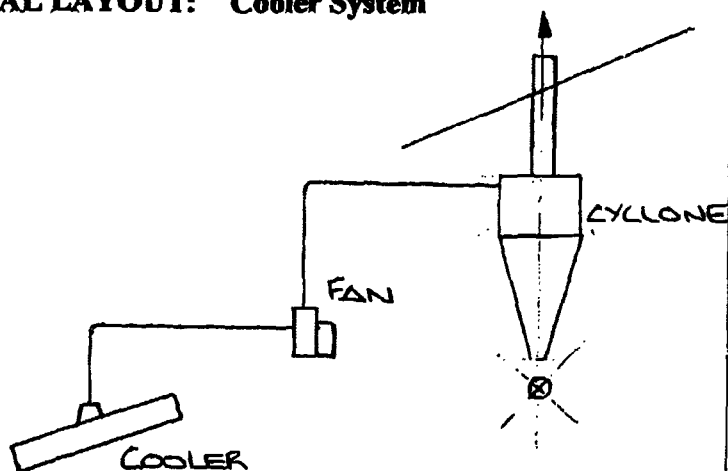
E

ISO-KINETIC SAMPLING (2)

SITE / LOCATION : Sundown Straw Products Ltd

DATE: 5.10.04
REF. NO. W9837

GENERAL LAYOUT: Cooler System



WAS THERE COMPLIANCE WITH
BS3405:1983 YES: NO: ✓

IF NO STATE REASON:

Standard test points now fitted but probe
too long for new point.
However in line with previous results

EMISSION RESULTS		1 st TEST	2 nd TEST	MEAN
TEMPERATURE	°C	33.4		33.4
VELOCITY	m/s	15.5		15.5
WEIGHT OF PARTICULATES COLLECTED	mg	123.5		123.5
AIRFLOW RATE	m ³ /s	6.08		6.08
RATE OF MASS EMISSION	g/hr	965		965
EMISSION CONCENTRATION	mg/m ³	44.1		44.1

REF CONDITIONS	°C	KPA	%RH	%	OTHER
	30.6	3.1	69	0 ²	

E

REF NO. W9837

ISO-KINETIC SAMPLING (3)

COMPANY / SITE: SUNDOWN STRAW PRODUCTS

TEST NO. 1.1

DATE: 3.10.04

TIME / DURATION 11.28 to 11.48

PRODUCT: 3 Tonne/Hour

AIRFLOW: $6.08\text{m}^3/\text{s}$ Temperature - 33.4°C SAMPLE DRIED AND WEIGHED

B3

AFTER 118.4290
BEFORE 118.4123 $\underline{\hspace{1cm}}$
.0167

= 16.7

B4

AFTER 74.8542
BEFORE 73.7474 $\underline{\hspace{1cm}}$
.1068

= 106.8

TOTAL COLLECTED IN 20 MINUTES = 123.5 mg

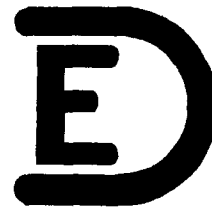
SAMPLE VOLUME = $.14\text{m}^3/\text{m}$

DUST LEVEL = 123.5

 $\underline{\hspace{1cm}}$
 $20 \times .14$

TOTAL: 123.5 mg

Dust Environmental (Engineering) Limited



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VAT No: 343 2993 45

E.Mail: admin@-control.co.uk

Unit 2, Ashley Industrial Estate, Wakefield Road, OSSETT, West Yorkshire WF5 9JD

Our Ref.

Your Ref.

Date.

ISO-KINETIC SAMPLING (1)

COMPANY NAME: SUNDOWN STRAW PRODUCTS LTD

ADDRESS:

Station Road
Tilbrook
Huntingdon
Cambs
PE18 6YN

REF NO. W9837

TEL No. 01480 860745

FAX No. 01480 860781

PLANT:

Pneumatic Tub Transfer System

ARRESTMENT PLANT:

Primary H.E.Cyclone

AUTHORISATION:

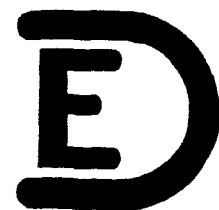
Mr Tony Wells

TEST BY:

G.M.Teal

SIGNATURE:

DATE: 3.11.04

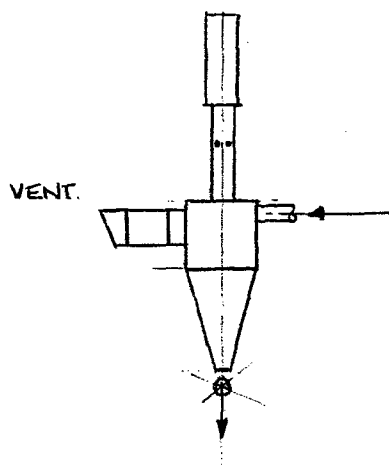


ISO-KINETIC SAMPLING (2)

SITE / LOCATION : Sundown Straw Products Ltd

DATE: 5.10.04
REF. NO. W9837

GENERAL LAYOUT: Tub Transfer

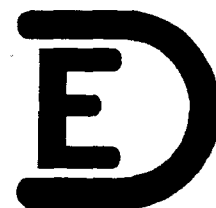


WAS THERE COMPLIANCE WITH
BS3405:1983 YES: ☒ NO:

IF NO STATE REASON:

EMISSION RESULTS		1 st TEST	2 nd TEST	MEAN	
TEMPERATURE	°C	36.0	37.6	36.8	
VELOCITY	m/s	18.9	18.6	18.8	
WEIGHT OF PARTICULATES COLLECTED	mg	510	588	549	
AIRFLOW RATE	m ³ /s	1.82	1.79	1.81	
RATE OF MASS EMISSION	g/hr	1192	1353	1272	
EMISSION CONCENTRATION	mg/m ³	182	210	196	
REF CONDITIONS	35.0 °C	3.1 KPA	34 %RH	0 ² %	OTHER

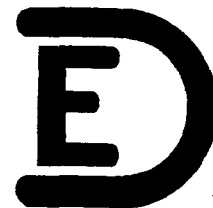
NOTE EMISSION LIMIT
is 300 mg/m³



REF NO. W9837

ISO-KINETIC SAMPLING (3)

COMPANY / SITE: SUNDOWN STRAW PRODUCTS	
TEST NO. 2.1	DATE: 3.10.04
TIME / DURATION 10.22 to 10.42	
PRODUCT: 2 Tonne/Hour	1st TEST TUB TRANSFER
AIRFLOW: 1.82m ³ /s Temperature - 36 ⁰ C	
<u>SAMPLE DRIED AND WEIGHED</u>	
B5	
AFTER 118.4707	
BEFORE 118.3901	
.0806	
= 80.6	
B5	
AFTER 74.0739	
BEFORE 73.6445	
.4294	
= 429.4	
TOTAL COLLECTED IN 20 MINUTES = 510 mg	
SAMPLE VOLUME = .14m ³ /m	
DUST LEVEL = 510	
20 x .14	
=	
TOTAL Sample	



REF NO. W9837

ISO-KINETIC SAMPLING (3)

COMPANY / SITE: SUNDOWN STRAW PRODUCTS

TEST NO. 2.2

DATE: 3.10.04

TIME / DURATION 10.53 to 11.13

PRODUCT: 2 Tonne/Hour

2ND TEST TUB TRANSFER

AIRFLOW: $1.79 \text{ m}^3/\text{s}$

Temperature - 37.6°C

SAMPLE DRIED AND WEIGHED

B7

AFTER 118.9448
BEFORE 118.8706

.0742

= 74.2

B7

AFTER 74.2044
BEFORE 73.6906

.5138

= 513.8

TOTAL COLLECTED IN 20 MINUTES = 588 mg

SAMPLE VOLUME = $.14 \text{ m}^3/\text{m}$

DUST LEVEL = 588

$\frac{588}{20 \times .14}$

TOTAL $210 \text{ mg}/\text{m}^3$