Committee on Fibre Measurement

RICE Scheme

Regular Interlaboratory Counting Exchanges
(Quality Control of Asbestos Fibre Counting)

CLASSIFICATION OF LABORATORY PERFORMANCE

Laboratory N$^{o.}$: **1275**

Period: **10 Mar 2016 to 09 Mar 2017**

Rounds: **102 - 105**

Laboratory: **Enquin Environmental Ltd**
1 Ringside Business Centre
Heol-y-Rhosog
Wentloog
Cardiff
CF3 2EW
UK

Classification: **Category 1 (Satisfactory)**

No. of Batches **4**

Notes

1   The RICE scheme tests proficiency in the use of the optical microscopy method of counting asbestos fibres as described in the Health and Safety Executive publication HSG248.

2   The classifications will be updated after each subsequent round i.e. at 3 - 4 month intervals.

3   Laboratories which have completed fewer than four rounds are normally classified as AWAITING CLASSIFICATION.

On completion of four rounds laboratories are classified with the performance category (CATEGORY 1, CATEGORY 2 or CATEGORY 3). Category 1 represents GOOD performance, Category 2 is ACCEPTABLE (but needs improvement), while category 3 is UNSATISFACTORY performance.

Signature:

Melanie Clunas
RICE Coordinator

HEALTH & SAFETY
LABORATORY

HSL,
Harpur Hill,
Buxton,
SK17 9JN

RICE Certificate 1

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RICE

Summary of Laboratory Results
Rounds 102 - 105

Laboratory: 1275 Enquin Environmental Ltd, CF3 2EW, UK				Number (*and percentage*) of counts in performance bands			
Round	Group	Batch	Evaluation date	Band A	Band A & Band B	Band -C	Band +C
105	72	97	9 Mar 2017	18 *86%*	20 *95%*	1 *5%*	0 *0%*
104	72	64	17 Nov 2016	15 *100%*	15 *100%*	0 *0%*	0 *0%*
103	72	93	23 Jun 2016	18 *90%*	18 *90%*	1 *5%*	1 *5%*
102	84	109	10 Mar 2016	17 *100%*	17 *100%*	0 *0%*	0 *0%*
		Four-round average percentages		*93%*	*95%*	*2%*	*1%*

Category 1

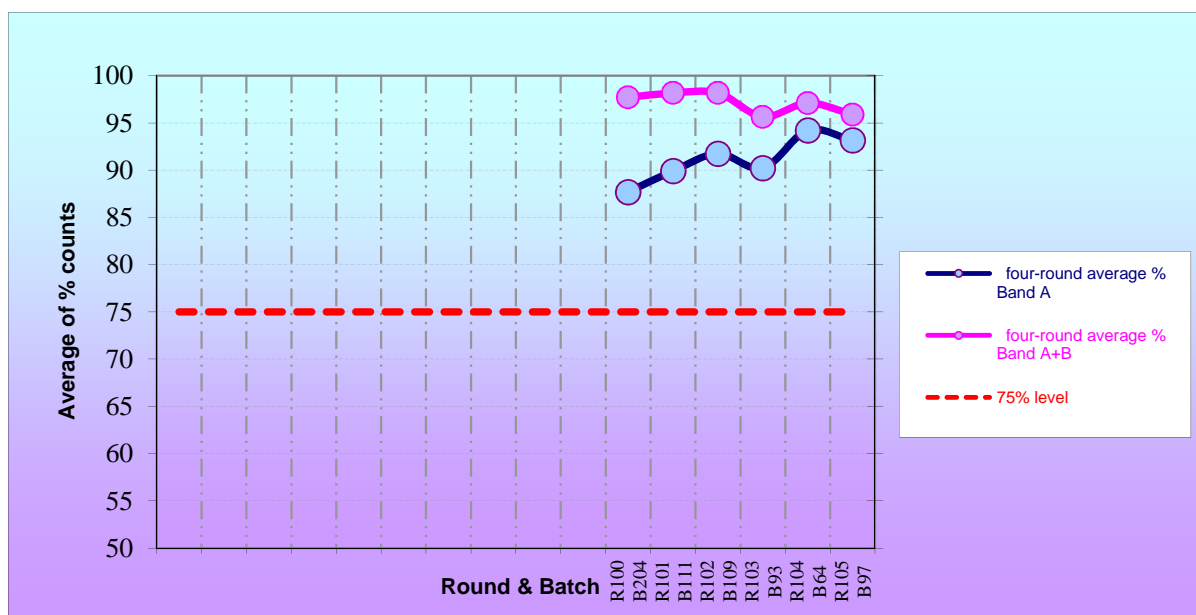| Categories from previous rounds	Round	R105 B97	R104 B64	R103 B93	R102 B109
	Category	1	1	1	1

Calculation of Category

In routine cases, if the four-round average percentage of counts in Band A is 75% or more, the category is 1; failing that, if the average of counts in Bands A and B combined is 75% or more, the category is 2; otherwise the category is 3.

The category may be subject to review (*e.g.* if one of the four rounds was missed or if an extra batch of samples was evaluated).

Full details on the assessment of catgories, and on the formal performance classifications, are given in the document "*RICE Information for Participants".

HEALTH & SAFETY LABORATORY

RICE

Regular Interlaboratory Counting Exchanges

Laboratory 1275, Enquin Environmental Ltd

	This laboratory
Current four-round average percentage of A counts	93%
Current four-round average percentage of A + B counts	95%

The plot shown above is a representation of your laboratory's counting performance during the last several rounds of the RICE Scheme.

The lower line is the percentage of counts inside the INNER limits (*i.e.* those achieving a "Band A" mark), as a running average over four consecutive rounds. The upper line is the four-round running average of counts inside the OUTER limits (those counts in Bands A or B).

When both lines are on or above the 75 percent level, the laboratory is Category 1.

When one line is on or above the 75 percent level and the other line below, the laboratory is Category 2.

When both lines are below the 75 percent level, the laboratory is Category 3.

This plot may be used to help assess the standard and trends of your laboratory's recent counting performance. Category 1 is regarded as as "good" performance. Category 2, although still "satisfactory" means that improvement should be sought. Category 3 should always be considered unsatisfactory performance and you should act urgently to remedy this.

Take account of any recent trends in the plotted lines: for example, a steep drop in performance would be better investigated while the laboratory is still above the 75% level. Remember also that these are four-round averages, so there is likely to be a delay before an improvement or deterioration becomes obvious.

(Note that the percentages given in this report have been rounded down and do not take account of the arrangements for assessing the categories of laboratories with missing rounds, extra rounds, or other special provisions as described in the "RICE Information for Participants").

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Regular Interlaboratory Counting Exchanges

RICE

This report shows the most recent values for the slides seen by your laboratory during recent RICE rounds. It includes results from the current round.

The results for your laboratory are highlighted: your category "C" results are shown in red italics and your category "B" results in grey italics.

Recent Results For Slides Seen By Laboratory 1275: Round 105: Batch 97

Slide Number	Reference Value	Recent Participant Values							
97.01	223.63	318.50	313.80	202.09	215.64	284.36	271.04	266.72	157.30
		233.93	288.01	239.00	244.23	263.74	254.78	159.24	285.92
97.02	1.00	0.30	1.27	2.50	0.95	0.32	1.59	1.91	1.30
		1.00	0.60	1.59	2.55	2.55	1.91	0.32	4.46
97.03	63.40	43.00	*37.90*	45.84	33.11	33.10	55.10	41.40	66.24
		29.30	*34.40*	39.15	60.48	54.46	55.41	37.58	59.24
97.06	11.50	11.10	4.80	4.68	5.68	1.90	8.28	8.60	1.91
		5.10	4.80	7.96	6.05	1.91	8.92	1.59	14.65
97.08	330.37	557.30	295.31	257.15	220.13	197.84	303.31	289.52	306.34
		291.00	289.50	226.01	328.10	239.32	283.09	283.09	360.93
97.09	27.72	76.40	23.75	16.92	24.51	26.43	14.97	44.59	23.60
		27.93	26.10	26.10	25.48	14.01	70.70	15.00	55.40
97.11	24.50	29.00	23.60	23.24	28.65	14.96	21.66	13.65	42.04
		22.90	23.36	12.73	19.10	21.02	12.10	24.84	25.50
97.12	58.02	128.60	71.26	54.10	69.28	94.06	82.00	81.49	70.31
		77.51	54.80	81.07	86.12	97.99	69.89	69.96	74.10

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Laboratory: 1275, record of analysts submitting results

Round 105, Batch 97

Analyst (initials)	N°. of results submitted
CC	6
JC	3
JM	3
LE	7
SJ	6
TP	6

Round 104, Batch 64

Analyst (initials)	N°. of results submitted
CC	2
JC	7
SJ	9
TP	7

Round 103, Batch 93

Analyst (initials)	N°. of results submitted
CC	9
CJ	2
JC	2
JM	6
SJ	3
TP	8

Round 102, Batch 109

Analyst (initials)	N°. of results submitted
BH	6
CJ	4
JC	2
JM	8
SJ	5
TP	5