Appendix 3E

Daily share buy-back notice
(except minimum holding buy-back and selective buy-back)

Information and documents given to ASX become ASX's property and may be made public.

Introduced 1/9/99. Origin: rule 3.6, Appendix 7C. Amended 30/9/2001.

Name of entity	ABN
ResMed Inc	46 064 514 852

We (the entity) give ASX the following information.

Information about buy-back

1	Type of buy-back	On Market
2	Date Appendix 3C was given to ASX	Not Applicable

Total of all shares bought back, or in relation to which acceptances have been received, before, and on, previous day

		Before previous day	Previous day
As purchased on NYSE:			
3	Number of shares bought back or if buy-back is an equal access scheme, in relation to which acceptances have been received	595,700	15,000
4	Total consideration paid or payable for the shares	USD 23,570,491	USD 696,618
5	If buy-back is an on-market buy-back	Highest paid: US$46.50 Date: 20/8/04 Lowest paid: US$26.24 Date: 14/6/02	Highest paid: US$46.45 Lowest paid: US$46.36 Highest price allowed under rule 7.33: -

As purchased on ASX*:

	Before previous day	Previous day
3 Number of shares bought back or if buy-back is an equal access scheme, in relation to which acceptances have been received	4,926,585 (CUFS)	-
4 Total consideration paid or payable for the shares	AUD 25,845,949	-
5 If buy-back is an on-market buy-back	Highest paid: A$6.45 Date: 11/8/04 Lowest paid: A$4.63 Date: 13/6/02	Highest paid: - Lowest paid: - Highest price allowed under rule 7.33: -

* ***All share numbers noted above, refer to trading of the company's CUFS Securities on the ASX (10 CUFS equals one ResMed Inc's share as traded in the NYSE).***

Participation by directors

6 Deleted 30/9/2001	NIL	NIL

How many shares may still be bought back?

7 If the company has disclosed an intention to buy back a maximum number of shares - the remaining number of shares to be bought back	2,911,641 (29,116,410 CUFS)	2,896,641 (28,966,410 CUFS)

Compliance statement

1. The company is in compliance with all Corporations Act requirements relevant to this buy-back - Not applicable as the Company is incorporated in Delaware, U. S. A.

2. There is no information that the listing rules require to be disclosed that has not already been disclosed, or is not contained in, or attached to, this form.

Sign here /s/ Adrian Smith .... Date 25 August 2004 ....
(Senior Vice President Finance & Chief Financial Officer)

Print name ADRIAN SMITH ....