SIZE ROBERT J. Form 4

February 17, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SECURITIES

OMB 3235-0287

Number: January 31, Expires: 2005

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

response...

if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

SIZE ROBERT J.

2. Issuer Name and Ticker or Trading

Symbol

DENTSPLY INTERNATIONAL INC /DE/ [XRAY]

3. Date of Earliest Transaction

(Last) (First) (Middle)

(Month/Day/Year)

1625 WYNDHAM DRIVE SOUTH 02/12/2009

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

Director 10% Owner Other (specify

X_ Officer (give title below) below)

SENIOR VICE PRESIDENT

(Check all applicable)

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Issuer

YORK, PA 17403

(City)

(State) (Zip)

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

(A)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number Transaction of Derivative Expiration Date Code Securities

6. Date Exercisable and (Month/Day/Year)

7. Title and Amount of 8. l Underlying Securities De (Instr. 3 and 4)

Sec

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired

(A) or Disposed of (D) (Instr. 3, 4, and 5)

Code V (A)

(D) Date Exercisable Expiration Title

Date

Number of

Shares

Amount

(In

Restricted Stock Unit

(1)

02/12/2009

A 5,938

02/12/2012

(1) Common Stock

on 5,938

or

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Other

SIZE ROBERT J.

1625 WYNDHAM DRIVE SOUTH YORK, PA 17403

SENIOR VICE PRESIDENT

Signatures

Brian M. Addison, POA

02/16/2009

**Signature of Reporting

Date

Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Not applicable to this transaction

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2