JONES LESLIE A Form 4 March 26, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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

1(b).

(Last)

1.Title of

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person *

JONES LESLIE A

(First) (Middle)

2. Transaction Date 2A. Deemed

221 W. PHILADELPHIA ST

(Street)

2. Issuer Name and Ticker or Trading

Symbol

DENTSPLY INTERNATIONAL INC /DE/ [XRAY]

3. Date of Earliest Transaction

(Month/Day/Year) 03/24/2010

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

X_ Director 10% Owner Other (specify Officer (give title

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

YORK, PA 17405-0872

(City) (State) (Zip)

(Month/Day/Year)

3. 4. Securities Execution Date, if

(Month/Day/Year)

TransactionAcquired (A) or Code Disposed of (D)

(Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following

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

Reported Transaction(s) (Instr. 3 and 4)

or Code V Amount (D) Price

(A)

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** (Instr. 3)

Conversion or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

5. Number Transaction of Derivative Expiration Date Code Securities

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

7. Title and Amount o **Underlying Securities** (Instr. 3 and 4)

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	Price of Derivative Security		(Month/Day/Year)	(Instr. 8		Acquired (A) or Disposed (D) (Instr. 3, and 5)	ed of				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Phantom Stock-Director's Deferred	<u>(2)</u>	03/24/2010		A		23.31 (3)		<u>(1)</u>	(2)	Common Stock	23.31

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
JONES LESLIE A								
221 W DHII ADEI DHIA ST	Y							

JONES LESLIE A
221 W. PHILADELPHIA ST
YORK, PA 17405-0872

Signatures

Compensation

Brian M. Addison, POA

**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).

Deletionchine

- (1) Value paid in stock upon retirement
- (2) Not applicable to this transaction
- (3) Dividend on existing account balance

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.

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