SMITH W KEITH Form 4

January 11, 2010

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations

may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person *

SMITH W KEITH

(Last)

(First) (Middle)

221 W. PHILADELPHIA ST

(Street)

YORK, PA 17405-0872

2. Issuer Name and Ticker or Trading

Symbol

DENTSPLY INTERNATIONAL INC /DE/ [XRAY]

3. Date of Earliest Transaction

(Month/Day/Year) 01/09/2010

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

below)

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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Number:

Expires:

response...

Estimated average

burden hours per

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

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

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

Code V Amount (D) Price

(Instr. 3, 4 and 5)

(A)

or

5. Amount of Securities Beneficially Owned Following Reported

Transaction(s)

(Instr. 3 and 4)

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

Ownership (Instr. 4)

(Instr. 4)

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

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

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed

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

4. 5. Number Transactionof Code Derivative

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

7. Title and Amount of 8. Pri **Underlying Securities** (Instr. 3 and 4)

Deriv

Secur

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(Instr. 3)	Price of Derivative Security	(Month/	'Day/Year)	(Instr.	8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)				(Instr.		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Additional RSUs (1)	\$ 35.44	01/09/2010		A		4.46		(2)	(2)	Common Stock	4.46	\$ 35

Reporting Owners

Reporting Owner Name / Address	Relationships						
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other			
SMITH W KEITH 221 W. PHILADELPHIA ST	X						
YORK, PA 17405-0872							

Signatures

Brian M. O1/11/2010 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).
- (1) Dividend on existing vested or unvested Restricted Stock Units (RSUs) awarded to participant, payable as additional units of phantom stock
- (2) 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.

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