

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>MOSCH JAMES G</u> <hr/> (Last) (First) (Middle) <u>221 WEST PHILADELPHIA STREET</u> <u>WEST BUILDING/DENTSPLY</u> <hr/> (Street) <u>YORK PA 17405</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>DENTSPLY INTERNATIONAL INC /DE/ [XRAY ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below) X <p style="text-align: center;"><b>Executive VP</b></p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>03/05/2012</u>	
		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**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

**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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Supplemental Executive Retirement Plan (SERP)	(1)	03/05/2012		A		1,952.968 <sup>(2)</sup>		(1)	(3)	Common Stock	1,952.968	\$34.17	16,301.4601	D	
Supplemental Executive Retirement Plan (SERP)	(1)	03/05/2012		A		82.191 <sup>(4)</sup>		(1)	(3)	Common Stock	82.191	\$34.99	16,383.6511	D	

**Explanation of Responses:**

- Not applicable to this transaction.
- Supplemental Executive Retirement Plan (SERP) allocation for 2011 (based on the 12/31/10 closing stock price).
- Value paid in cash following the reporting person's retirement.
- Supplemental Executive Retirement Plan (SERP) dividend allocation for 2011 (based on the 12/31/11 closing stock price).

Deborah M. Rasin, POA for  
James G. Mosch 03/07/2012

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.