

HAGELSTEIN DAVID A
 Form 4
 September 16, 2009

FORM 4

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

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).

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 *
 HAGELSTEIN DAVID A

2. Issuer Name and Ticker or Trading Symbol
 ROCKWELL MEDICAL TECHNOLOGIES INC [RMTI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 36801 WOODWARD AVE, STE 313
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 09/15/2009

____ Director
 ____ Officer (give title below)
 10% Owner
 ____ Other (specify below)

BIRMINGHAM, MI 48009

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 Ownership (Instr. 4)			
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/15/2009		P		12,100	A	\$ 8.34	1,583,700	I ⁽¹⁾	Owned by self and by self as trustee of the David Hagelstein Charitable Remainder Trust
Common Stock	09/16/2009		P		16,300	A	\$ 8.41	1,600,000	I ⁽²⁾	Owned by self and by

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) Of the 1,583,700 shares of common stock, 1,077,700 are owned directly and 506,000 are owned by self as trustee of the David Hagelstein Charitable Remainder Trust.
- (2) Of the 1,600,000 shares of common stock, 1,094,000 are owned directly and 506,000 are owned by self as trustee of the David Hagelstein Charitable Remainder Trust.

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.