

BRUSH ENGINEERED MATERIALS INC  
 Form 4  
 August 17, 2006

**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 \*  
 ROBERTSON WILLIAM R

2. Issuer Name and Ticker or Trading Symbol  
 BRUSH ENGINEERED MATERIALS INC [BW]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 17876 ST. CLAIR AVE.  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 08/17/2006

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

CLEVELAND, OH 44110  
 (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 or Price		
Brush Engineered Materials Inc.	08/17/2006		M		2,000 A \$ 12.45	2,000	D
Brush Engineered Materials Inc.	08/17/2006		M		2,000 A \$ 5.59	4,000	D
Brush Engineered Materials Inc.	08/17/2006		M		2,000 A \$ 16.125	6,000	D

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Brush Engineered Materials Inc.	08/17/2006	M	2,000	A	\$ 14.59	8,000	D	
Brush Engineered Materials Inc.	08/17/2006	S	300	D	\$ 25.77	7,700	D	
Brush Engineered Materials Inc.	08/17/2006	S	7,700	D	\$ 25.56	0	D	
Brush Engineered Materials Inc.						10,000	I	by limited partnership <u>(2)</u>
Brush Engineered Materials Inc.						500	I	by spouse <u>(3)</u>
Brush Engineered Materials Inc.						1,873	D	
Brush Engineered Materials Inc.						9,320	I	See footnote <u>(1)</u>

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

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(9-02)

**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 Underlying Securities (Instr. 3 and 4)	8. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code V	(A) (D)		Title	



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(3) Reporting person disclaims beneficial ownership of these shares.

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

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