Larocca Christopher M Form 4 March 08, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or

Check this box

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Form 5

obligations

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Larocca Christopher M Issuer Symbol EMCORE CORP [EMKR] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner Other (specify X_ Officer (give title 10420 RESEARCH ROAD SE 03/04/2011 below) below) Chief Operating Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

ALBUQUERQUE, NM 87123

(City)	(State)	Zip) Table	e I - Non-D	erivative Secur	ities Acq	quired, Disposed o	of, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	ansaction Date 2A. Deemed nth/Day/Year) Execution Date, if any (Month/Day/Year)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) Price		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)
Emcore Common Stock	03/04/2011		A	330 <u>(1)</u> A	\$ 3.03	103,565 (2)	D	
Emcore Common Stock						18,896	I	By Trust 401(k) (3)

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

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Person

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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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or Number		
						Exercisable	Date	Title Nu	Number		
				C + V	(A) (D)						
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Larocca Christopher M 10420 RESEARCH ROAD SE **ALBUQUERQUE, NM 87123**

Chief Operating Officer

Signatures

Alfredo Gomez, 03/08/2011 attorney-in-fact

**Signature of Reporting Person Date

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).
- Shares were purchased under the Company's Director and Officer Share Purchase Plan in a transaction exempt from Section 16b pursuant **(1)** to Rule 16b-3(d).
- Includes 70,000 shares of restricted stock granted under the Company's 2010 Equity Incentive Plan, vesting in three equal annual **(2)** installments beginning on January 28, 2012.
- (3) Shares attributable to EMCORE Corporation 401(k) account as of January 31, 2011.

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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