Larocca Christopher M Form 4 February 21, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

Number:

3235-0287

Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

may continue. See Instruction Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Larocca Christopher M

2. Issuer Name and Ticker or Trading Symbol

Issuer

5. Relationship of Reporting Person(s) to

(Last)

(City)

(First)

(Street)

(State)

(Middle)

(Zip)

EMCORE CORP [EMKR]

(Check all applicable)

10420 RESEARCH ROAD SE

3. Date of Earliest Transaction

(Month/Day/Year)

Director X_ Officer (give title below)

10% Owner Other (specify

02/17/2012

below) Chief Operating Officer

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

ALBUQUERQUE, NM 87123

(City)	(State) (Z	Zip) Tak	ole I - Non-D	erivative Securities Acq	quired, Disposed o	of, or Beneficial	lly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired	5. Amount of	6. Ownership	7. Nature o
Security	(Month/Day/Year)	Execution Date, if	Transaction	on(A) or Disposed of	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)	Owned	Indirect (I)	Ownership

Securities Beneficially (D) or Owned Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

(A)

Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

Emcore Common

Stock

02/17/2012

A

187 (3) A

 $27,237.25 \frac{(1)}{2}$

5,149.75 (2)

By Trust 401(k)

Emcore Common

Stock

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

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SEC 1474 (9-02)

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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 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, 02/21/2012 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).
- Includes 11,666 shares of restricted stock granted under the Company's 2010 Equity Incentive Plan, vesting in two equal annual **(1)** installments beginning on January 28, 2013.
- Shares attributable to EMCORE Corporation 401(k) account as of December 31, 2011. **(2)**
- Shares were purchased under the Company's Officer and Director Share Purchase Plan in a transaction exempt from Section 16b pursuant to Rule 16b-3(d).

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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