

Costa Mark J
Form 4
February 23, 2010

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 *
Costa Mark J

2. Issuer Name and Ticker or Trading Symbol
EASTMAN CHEMICAL CO [EMN]

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

(Last) (First) (Middle)
200 SOUTH WILCOX DRIVE
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
02/19/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
EVP, Spc Poly, Coat & Adh & CMO

KINGSPORT, TN 37660

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

(City) (State) (Zip)

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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	02/19/2010		A		9,711 (1)	A	\$ 0 14,416 D
Common Stock	02/19/2010		F		2,578 (2)	D	\$ 60.02 11,838 D
Common Stock							951 (3) I ESOP

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

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number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

Table with 10 columns: 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. Price of Derivative Security (Instr. 5), 9. Number of Derivative Securities Beneficially Owned (Instr. 5). Includes sub-headers for Date Exercisable and Expiration Date, and Title or Number of Shares.

Reporting Owners

Table with 2 main sections: Reporting Owner Name / Address and Relationships. Relationships include Director, 10% Owner, Officer, and Other. Example: Costa Mark J, 200 SOUTH WILCOX DRIVE, KINGSPORT, TN 37660, EVP, Spc Poly, Coat & Adh & CMO.

Signatures

Brian L. Henry, by Power of Attorney, 02/23/2010. **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).
(1) Payout under performance shares awarded at beginning of three-year (2007-2009) performance period.
(2) Shares of common stock withheld in payment of tax liability incident to payout under performance shares.
(3) Includes 210 shares acquired since February 2, 2010 resulting from issuer contribution.

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.