

EATON CORP
 Form 4/A
 February 27, 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 *
SWEETNAM JAMES E

(Last) (First) (Middle)
EATON CENTER, 1111 SUPERIOR AVE
 (Street)

CLEVELAND, OH 44114

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
EATON CORP [ETN]

3. Date of Earliest Transaction
 (Month/Day/Year)
02/22/2006

4. If Amendment, Date Original Filed(Month/Day/Year)
02/24/2006

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
SrVPGGroupExec - Truck Group

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 Ownership (Instr. 4)
Common Shares	02/22/2006	(1)	F	(A) or (D) Amount 480 (2) Price \$ 69.42	34,848 (3) (4)	D	
Common Shares					308.373 (5)	I	by trustee of ESP

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

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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 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 Owned Following Transaction (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SWEETNAM JAMES E EATON CENTER 1111 SUPERIOR AVE CLEVELAND, OH 44114			SrVP Truck Group	Group Exec -

Signatures

/s/ Anthony M. Smits as attorney-in-fact
 02/27/2006
 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) This field is not applicable.
- (2) These shares were delivered to the issuer to pay for the applicable withholding tax due upon vesting of certain shares of restricted stock. The original Form 4, which this form amends, reported that Mr. Sweetnam disposed of 630 shares to pay the applicable withholding tax due upon the vesting of certain shares of restricted stock. This error resulted from a miscalculation of the withholding tax due, and had the effect of overstating the number of shares disposed to pay the applicable withholding tax. This amendment reflects the correct number of shares disposed and amount of securities beneficially owned following the reported transaction.
- (3) Certain of these shares represent restricted shares issued under an Eaton Corporation stock plan and are subject to risk of forfeiture.
- (4) These shares are held in the Eaton Savings Plan.

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.