

MANETTA RICHARD L
Form 4
February 02, 2005

FORM 4

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

OMB APPROVAL

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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 *
MANETTA RICHARD L

(Last) (First) (Middle)
2030 DOW CENTER
(Street)

MIDLAND, MI 48674

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
DOW CHEMICAL CO /DE/ [DOW]

3. Date of Earliest Transaction
(Month/Day/Year)
01/31/2005

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

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

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

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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock ⁽¹⁾	01/31/2005		M		90,000	A	\$ 36.255
Common Stock ⁽¹⁾	01/31/2005		M		8,900	A	\$ 30.425
Common Stock	01/31/2005		S		98,900	D	\$ 49.4493
Common Stock							175.451
						I	by 401(k) Plan ESOP

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 Security (Instr. 3 and 4)	Amount or Number of Shares
Non-Qualified Stock Option (right to buy) <u>(1)</u>	\$ 30.425	01/31/2005		M	8,900	<u>(2)</u> 02/15/2012	Common Stock	8,900
Non-Qualified Stock Option (right to buy) <u>(1)</u>	\$ 36.255	01/31/2005		M	90,000	<u>(3)</u> 08/01/2011	Common Stock	90,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MANETTA RICHARD L 2030 DOW CENTER MIDLAND, MI 48674				Corp VP

Signatures

Tina S. Van Dam for Richard L.
Manetta 01/31/2005

 **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) Granted under The Dow Chemical Company 1988 Award and Option Plan, a Rule 16b-3 plan. The plan pursuant to which the reported grant was made provides for tax withholding rights.
- (2) The options vest in three equal annual installments beginning on February 15, 2003.

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(3) The options vest in three equal annual installments beginning on August 1, 2002..

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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