

ALLEMANG ARNOLD A
Form 4
November 17, 2004

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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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 *
ALLEMANG ARNOLD A

(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)
11/15/2004

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)

Executive Vice President

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)
			Code	V	Amount or Price		
Common Stock ⁽¹⁾	11/15/2004		M		37,500 A \$ 27.4	39,546	D
Common Stock	11/15/2004		F		20,956 D \$ 49.03	18,590	D
Common Stock	11/15/2004		F ⁽²⁾		5,021 D \$ 49.03	13,569	D
Common Stock ⁽¹⁾	11/15/2004		M		42,200 A \$ 30.425	55,769	D
Common Stock	11/15/2004		F		26,186 D \$ 49.03	29,583	D

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Common Stock	11/15/2004	<u>F</u> (2)	4,861	D	\$ 49.03	24,722	D	
Common Stock	11/15/2004	<u>J</u> (3)	22,676	D	\$ 0	2,046	D	
Common Stock						3,055.825	I	by 401(k) Plan
Common Stock						1,330.461	I	by 401(k) Plan ESOP
Common Stock						1,872	I	by IRA
Common Stock	11/15/2004	<u>J</u> (3)	22,676	A	\$ 0	91,297	I	by Trust 1 <u>(4)</u>
Common Stock						70,171	I	by Trust 2

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

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SEC 1474
(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>	\$ 27.4	11/15/2004		M	37,500	<u>(5)</u> 02/14/2013	Common Stock	37,500
Non-qualified Stock Option (right to buy) <u>(1)</u>	\$ 30.425	11/15/2004		M	42,200	<u>(6)</u> 02/15/2012	Common Stock	42,200

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ALLEMANG ARNOLD A 2030 DOW CENTER MIDLAND, MI 48674	X		Executive Vice President	

Signatures

Arnold A. Allemang, Executive Vice President
11/17/2004

__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 provides for tax withholding rights.
- (2) Shares withheld pursuant to tax withholding rights under award and option plans in a transaction exempt under Rule 16b-3.
- (3) Change in form of ownership.
- (4) Arnold Avery Allemang and Teresa Sue Spangler Allemang, as Trustee of the Arnold Avery Allemang Revocable Trust U/A 07/28/94.
- (5) The options vest in three equal annual installments beginning on February 14, 2004.
- (6) The options vest in three equal annual installments beginning on February 15, 2003.

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.