ALLEMANG ARNOLD A

Form 4

November 17, 2004

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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5. Relationship of Reporting Person(s) to

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Section 16. Form 4 or Form 5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

ALLEMANG ARNOLD A		Symbol					Issuer				
DOW			V CHEMICAL CO /DE/ [DOW]				(Check all applicable)				
(Last)	(First)	(Middle)			Transaction			V Director	100%	Owner	
2030 DOW CENTER			(Month/Day/Year) 11/15/2004					_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Executive Vice President			
(Street)			4. If Amo	4. If Amendment, Date Original				6. Individual or Joint/Group Filing(Check			
MIDLAND, MI 48674								Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Tab	le I - Non-	Derivative	Secur	ities Acqui	ired, Disposed of,	, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Year) Execution any		3. Transacti Code (Instr. 8)	omr Dispos (Instr. 3,	sed of ((D)	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)	
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	F(2)	4,861	D	\$ 49.03	24,722	D	
Common Stock	11/15/2004	J <u>(3)</u>	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	J <u>(3)</u>	22,676	A	\$ 0	91,297	I	by Trust 1
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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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. Transactic Code (Instr. 8)	5. Number of or 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 Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 27.4	11/15/2004		M	37,500	<u>(5)</u>	02/14/2013	Common Stock	37,5
Non-qualified Stock Option (right to buy)	\$ 30.425	11/15/2004		M	42,200	<u>(6)</u>	02/15/2012	Common Stock	42,2

(9-02)

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

ALLEMANG ARNOLD A
2030 DOW CENTER X Executive Vice President
MIDLAND, MI 48674

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.

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