STAVROPOULOS WILLIAM S

Form 4

February 07, 2005

FORM 4

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

OMB Number:

5. Relationship of Reporting Person(s) to

3235-0287

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

OMB APPROVAL

Section 16. Form 4 or

SECURITIES

Estimated average burden hours per 0.5 response...

Form 5 obligations may continue. See Instruction

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

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

STAVROPOULOS WILLIAM S		Symbol Symbol				Is	Issuer				
				DOW CHEMICAL CO /DE/ [DOW]				DOWJ	(Check all applicable)		
(Montl				2/03/2005 =				_	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chairman of the Board		
(Street) 4. If Amendment, Date Original Filed(Month/Day/Year) MIDLAND, MI 48674						A _J	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by 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. Deeme Execution I any (Month/Da	ed Date, if	3. Transac Code (Instr. 8	ctio	4. Securitie on Disposed of (Instr. 3, 4;	s Acquart (D) and 5) (A) or	uired (A) or	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)	02/03/2005			Code M	V	Amount 150,000	(D)	Price \$ 30.5208	412,630	D	
Common Stock	02/03/2005			F		89,085	D	\$ 51.39	323,545	D	
Common Stock	02/03/2005			F(2)		18,488	D	\$ 51.39	305,057	D	
Common Stock	02/03/2005			S		1,000	D	\$ 50.87	304,057	D	
Common Stock	02/03/2005			S		1,100	D	\$ 50.88	302,957	D	

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Common Stock	02/03/2005	S	2,300	D	\$ 50.89	300,657	D	
Common Stock	02/03/2005	S	37,027	D	\$ 50.9	263,630	D	
Common Stock	02/03/2005	S	1,000	D	\$ 50.92	262,630	D	
Common Stock						8,260.695	I	by 401(k) Plan
Common Stock						1,477.033	I	by 401(k) Plan ESOP
Common Stock						27,694	I	by Partnership
Common Stock						34,680	I	by Spouse

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. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou Underlying Secur (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Am Nui Sha
Non-Qualified Stock Option (right to buy)	\$ 30.5208	02/03/2005		M	150,000	(3)	02/27/2008	Common Stock	15

Reporting Owners

Reporting Owner Name / Address	Relationships								
FB	Director	10% Owner	Officer	Other					
STAVROPOULOS WILLIAM S 2030 DOW CENTER MIDLAND, MI 48674	X		Chairman of the Board						

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Signatures

Tina S. Van Dam for William S. Stavropoulos

02/04/2005

**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) Shares withheld pursuant to tax withholding rights under award and option plan in a transaction exempt under Rule 16b-3.
- (3) The options vest in three equal annual installments beginning on February 27, 1999.

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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