COOK PHILLIP H

Form 4

November 15, 2004

FORM 4

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

OMB APPROVAL OMB 3235-0287

Check this box

Number:

5. Relationship of Reporting Person(s) to

Issuer

if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

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

Symbol

1(b).

(Print or Type Responses)

COOK PHILLIP H

1. Name and Address of Reporting Person *

			DOW CHEMICAL CO /DE/ [DOW]				[DOW]	(Check all applicable)		
(Last) 2030 DOW	(First) CENTER	(Middle)		f Earliest T Day/Year) 2004	ransaction			DirectorX Officer (give below)	10%	Owner er (specify
MIDLAND	(Street) 4. If Amendment, Date Original Filed(Month/Day/Year) MIDLAND, MI 48674					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Tab	le I - Non-I	Derivative	Secu	rities Acqu	ired, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction D (Month/Day/Yea	ar) Execution	med on Date, if Day/Year)	3. Transactic Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ispose 4 and (A) or	d 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)	11/11/2004			M	6,700	A	\$ 33.94	13,066	D	
Common Stock	11/11/2004			F	4,709	D	\$ 48.285	8,357	D	
Common Stock	11/11/2004			F(2)	605	D	\$ 48.285	7,752	D	
Common Stock								2,923.856	I	by 401(k) Plan
Common Stock								966.186	I	by 401(k) Plan ESOP

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Common Stock	1.668	I	by IRA			
Common Stock	15	I	by Son			
Common Stock	81	I	by Spouse			
Common Stock	787.201	I	by Spouse 401(k)			
Common Stock	30.868	I	by Spouse 401(k) ESOP			
Reminder: Penart on a separate line for each class of securities beneficially owned directly or indirectly						

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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. Transacti Code (Instr. 8)	5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Derivative Expiration Date curities (Month/Day/Year) quired or sposed of str. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non Qualified Stock Option (right to buy) (1)	\$ 33.94	11/11/2004		M	6,700	<u>(3)</u>	03/02/2011	Common Stock	6,700

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
COOK PHILLIP H			Senior Vice President				
2030 DOW CENTER							

Reporting Owners 2

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MIDLAND, MI 48674

Signatures

Phillip H. Cook, Senior Vice President

11/12/2004

**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) The Options vest in three equal installments beginning on March 2, 2002.

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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