

DOW CHEMICAL CO /DE/  
Form 4  
March 16, 2006

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
COOK PHILLIP H

(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)  
03/14/2006

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)  
Corporate 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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  | Code                           | V   | Amount (A) or (D) Price   |  |   |
| Common Stock                    | 03/14/2006                           |  | M                              |   | 10,000<br>(1)   | A  | \$ 0 57,693.447 D                                     |
| Common Stock                    | 03/14/2006                           |  | F                              |   | 3,036<br>(2)  | D  | \$ 42.975 54,657.447 D                                |
| Common Stock                    |                                      |  |                                |   |   |  | 3,063.252 I by 401(k) Plan                            |
| Common Stock                    |                                      |  |                                |   |   |  | 1,124.172 I by 401(k) Plan ESOP                       |
| Common Stock                    |                                      |  |                                |   |   |  | 1.668 I by IRA  |

|              |         |   |                             |
|--------------|---------|---|-----------------------------|
| Common Stock | 15      | I | by Son                      |
| Common Stock | 81      | I | by Spouse                   |
| Common Stock | 817.373 | I | by Spouse<br>401(k)         |
| Common Stock | 31.116  | I | by Spouse<br>401(k)<br>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 Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title                         | Amount or Number of Shares |
| Deferred Stock <sup>(1)</sup>              | \$ 0   | 03/14/2006                           |  | M                              | 10,000  | <sup>(3)</sup>   | 03/14/2006  | Common Stock                  | 10,000                     |

## Reporting Owners

| Reporting Owner Name / Address                         | Relationships                    |
|--|----------------------------------|
|  | Director 10% Owner Officer Other |
| COOK PHILLIP H<br>2030 DOW CENTER<br>MIDLAND, MI 48674 | Corporate Vice President         |

## Signatures

Phillip H. Cook, Corporate Vice President  
03/16/2006

\*\*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 shares to be delivered in one installment upon vesting on March 14, 2006.

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.