

REINHARD J PEDRO  
Form 4  
December 15, 2004

**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 \*  
REINHARD J PEDRO

2. Issuer Name and Ticker or Trading Symbol  
DOW CHEMICAL CO /DE/ [DOW]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)

(Last) (First) (Middle)  
2030 DOW CENTER  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/13/2004

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Executive Vice President & CFO

MIDLAND, MI 48674  
(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

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 <sup>(1)</sup>     | 12/13/2004                           |  | M                              | 35,000 A \$ 27.005  | 204,413   | D  |   |
| Common Stock                    | 12/13/2004                           |  | F <sup>(2)</sup>               | 10,623 D \$ 49.1  | 193,790   | D  |   |
| Common Stock                    |                                      |  |                                |   | 4,108.182   | I  | by 401(k) Plan  |
| Common Stock                    |                                      |  |                                |   | 914.391   | I  | by 401(k) Plan ESOP                                   |
| Common Stock                    |                                      |  |                                |   | 3,175.378   | I  | by Daughter   |

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Common Stock 3,175.378 I by Son

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. 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) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Deferred Stock <sup>(1)</sup>              | \$ 27.005  | 12/13/2004                           |  | M                              | 35,000  | 12/13/2004 <sup>(3)</sup> 12/13/2004                     | Common Stock  | 35,000                     |

## Reporting Owners

| Reporting Owner Name / Address                           | Relationships |           |                                |       |
|--|---------------|-----------|--------------------------------|-------|
|  | Director      | 10% Owner | Officer                        | Other |
| REINHARD J PEDRO<br>2030 DOW CENTER<br>MIDLAND, MI 48674 | X             |           | Executive Vice President & CFO |       |

## Signatures

Pedro J. Reinhard, Executive Vice President & CFO 12/15/2004

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 shares vest in one installment on December 13, 2004.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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