

Pajonas Thomas L
 Form 4
 April 24, 2006

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
 Pajonas Thomas L

(Last) (First) (Middle)

5215 N. O'CONNOR BLVD.,
 SUITE 2300

(Street)

IRVING, TX 75039

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 FLOWSERVE CORP [FLS]

3. Date of Earliest Transaction
 (Month/Day/Year)
 04/20/2006

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)
 VP, Div. Pres- FCD

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 Ownership (Instr. 4) |
|---|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | (A) or (D) | Price | | |
| Common Stock (\$1.25 par value per share) | 04/20/2006 | | F | 1,323 | D \$ 56.31 | 47,761 | D |
| Common Stock (\$1.25 par value per share) | | | | | | 114.93 | I 401(k) |

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

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- (1) The option shares vest and become exercisable as follows: 3,667 shares on July 15, 2005; 3,666 shares on July 15, 2006 and 3,667 shares on July 15, 2007.
- (2) The option shares vest and become exercisable as follows: 3,667 shares on February 16, 2006; 3,666 shares on February 16, 2007 and 3,667 shares on February 16, 2008.
- (3) The option shares vest and become exercisable in three equal annual installments on April 20, 2006; April 20, 2007 and April 20, 2008.
- (4) The option shares vest and become exercisable as follows: 8,334 shares on July 13, 2006; 8,333 shares on July 13, 2007 and 8,333 shares on July 13, 2008.

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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