

Freeman Dean P
Form 4
March 26, 2010

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 *
Freeman Dean P

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
5215 N. O'CONNOR BLVD, SUITE 2300

3. Date of Earliest Transaction (Month/Day/Year)
03/24/2010

____ Director
 Officer (give title below) _____ Other (specify below)
SVP Finance and Treasurer

(Street)
IRVING, TX 75039

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

(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. 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	(D)	Price
Common Stock (\$1.25 par value per share)	03/24/2010		M		2,629	A	11,094
Common Stock (\$1.25 par value per share)	03/24/2010		F		696	D	\$ 108.88 10,398

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)	Amount or Number of Shares
Performance Rights	<u>(1)</u>	03/24/2010		M	1,232	<u>(1)</u> 03/24/2010	Common Stock	1,232

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Freeman Dean P 5215 N. O'CONNOR BLVD SUITE 2300 IRVING, TX 75039			SVP Finance and Treasurer	

Signatures

/s/ Ronald F. Shuff,
attorney-in-fact

03/26/2010

**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) Each performance right represented a contingent right to receive one share of the issuer's common stock at vesting. The performance rights vested at a rate of 200% (plus dividends accrued on the underlying shares) based on the issuer's average return on net assets ("RONA") during a three-year performance cycle beginning on January 1, 2007 and ending on December 31, 2009 in comparison to the average RONA of a predetermined peer group over the same performance cycle.

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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