Freeman Dean P Form 4 February 19, 2010

Section 16.

Form 4 or

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 Check this box if no longer subject to

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

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(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]

(First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year)

5215 N. O'CONNOR BLVD, SUITE 02/18/2010

(Street)

(State)

(Zip)

2300

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify below)

VP Finance and Treasurer

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person n Deniverties Committies Assuring Disposed of an Deneficially O

IRVING, TX 75039

(City)

` '	` '	1 abie	: 1 - Non-De	erivative Securities Ac	quirea, Disposea (n, or Beneficial	ny Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	onAcquired (A) or	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed of (D)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)	Owned	Indirect (I)	Ownership
					Following	(Instr. 4)	(Instr. 4)
				(A)	Reported		
				(A) or	Transaction(s)		
			Code V	Amount (D) Price	(Instr. 3 and 4)		
Common			Code v	Amount (D) Thee			

Common Stock

1,720 02/18/2010 8,684 D (\$1.25 par

value per share)

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. Transactic Code (Instr. 8)	5. Number of Derivati Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	ve Expiration l (Month/Day	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (I	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Performance Rights	(2)	02/18/2010		A	1,720	(2)	12/31/2012	Common Stock	1,720	

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

VP Finance and Treasurer

Signatures

/s/ Luke E. Alverson, attorney-in-fact

02/19/2010

**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) Represents shares of restricted common stock granted to the reporting person pursuant to the issuer's long-term incentive compensation plan for employees. The shares vest ratably over a three-year period on each annual anniversary of the grant.
- Each performance right represents a contingent right to receive one share of the issuer's common stock at vesting. The performance rights vest at a rate between 0% and 200% based on the issuer's average return on net assets ("RONA") during a three-year performance cycle beginning on January 1, 2010 and ending on December 31, 2012 in comparison to the average RONA of a predetermined peer group over the same performance cycle. The performance rights may be settled, at the issuer's discretion, in cash or shares of common stock.

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.

Reporting Owners 2