

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
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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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <b>JOHNSTON MICHAEL F</b>  (Last) (First) (Middle) <b>5215 N. O'CONNOR BLVD., SUITE 2300</b>  (Street) <b>IRVING TX 75039</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>FLOWERVE CORP [ FLS ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner  Officer (give title below) Other (specify below)	
	3. Date of Earliest Transaction (Month/Day/Year) <b>05/23/2006</b>		
	4. If Amendment, Date of Original Filed (Month/Day/Year)		6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> 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 (\$1.25 par value per share)	05/23/2006		A		349	A	\$52.76	22,552	I	Rabbi Trust
Common Stock (\$1.25 par value per share)								984	I	Individual Trust

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					
Stock Option (right-to-buy)	\$26.55						(1)	05/06/2007	Common Stock	1,219		D	
Stock Option (right-to-buy)	\$13.13						(1)	04/20/2010	Common Stock	2,000		D	
Stock Option (right-to-buy)	\$25.69						(1)	04/19/2011	Common Stock	1,500		D	
Stock Option (right-to-buy)	\$32.12						(1)	04/18/2012	Common Stock	1,500		D	
Stock Option (right-to-buy)	\$14.29						(1)	04/21/2013	Common Stock	1,500		D	
Stock Option (right-to-buy)	\$26.01						(2)	(3)	Common Stock	3,484		D	

Explanation of Responses:

1. The option shares are fully vested and exercisable.

2. For purposes of Section 16(a), upon shareholder approval of the required stock compensation plan amendments, extension of the term of the option will result in a deemed cancellation of the old grant and the grant of a replacement option. However, for purposes of Section 409(A) of the Internal Revenue Code of 1986, such extension will not be deemed to involve a cancellation or new grant. The option was originally granted on July 26, 1996 and is fully vested and exercisable.

3. As a result of certain tax considerations discussed in the Issuer's Form 8-K dated December 14, 2005, the option extensions as disclosed in the original Form 4 Report have been partially rescinded so that they continue only until the later of (i) 30 days after the options first becomes lawfully exercisable after the expiration of the securities trading limitations currently applicable to the Issuer's stock option programs or (ii) in the case of options which expire in 2006 under their terms in effect as originally granted, the later of December 31, 2006 or two and one-half months after the date of their respective original expiration dates.

**Remarks:**

/s/ Ronald F. Shuff, attorney in fact 05/24/2006

\*\* Signature of Reporting Person      Date

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

\* 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).

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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