

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

FORM 12b-25

NOTIFICATION OF LATE FILING

(Check one): Form 10-K Form 20-F Form 11-K Form 10-Q Form 10-D Form N-SAR
 Form N-CSR

For Period Ended: March 31, 2006

- Transition Report on Form 10-K
 Transition Report on Form 20-F
 Transition Report on Form 11-K
 Transition Report on Form 10-Q
 Transition Report on Form N-SAR

For the Transition Period Ended: _____

Read Instruction (on back page) Before Preparing Form. Please Print or Type.

Nothing in this form shall be construed to imply that the Commission has verified any information contained

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

PART I — REGISTRANT INFORMATION

Flowserve Corporation

Full Name of Registrant

Former Name if Applicable

5215 N. O'Connor Blvd., Suite 2300

Address of Principal Executive Office (*Street and Number*)

Irving, Texas 75039

City, State and Zip Code

PART II — RULES 12b-25(b) AND (c)

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

PART III — NARRATIVE

State below in reasonable detail the reasons why the Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof could not be filed within the prescribed time period.

Flowserve Corporation (the "Company") completed its financial statements for 2004 and its restatement of financial statements for 2002, 2003 and the first quarter of 2004, and in connection therewith filed with the Securities and Exchange Commission its Annual Report on Form 10-K for the year ended December 31, 2004 (the "2004 Form 10-K") on February 13, 2006. As a result of the restatement, the delay in completing its financial statements for 2004 and management's need for additional time to assess the design and effectiveness of its internal control over financial reporting required pursuant to Section 404 of the Sarbanes-Oxley Act of 2002, the Company was unable to file its Annual Report on Form 10-K for the year ended December 31, 2005 (the "2005 Form 10-K") within the prescribed time period. The Company is working towards becoming current in its filings as soon as practicable and expects to file the 2005 Form 10-K during the latter part of the second quarter of 2006. Due to the Company's efforts in resolving the aforementioned matters, the Company is not able to finalize the financial statements and related information for inclusion in its Quarterly Report on Form 10-Q for the quarter ended March 31, 2006 (the "2006 1Q Form 10-Q"). Accordingly, the Company is unable to file the 2006 1Q Form 10-Q within the prescribed time period.

