## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| OMB Number: 3235-0287    |     |  |  |  |  |  |  |  |
|--------------------------|-----|--|--|--|--|--|--|--|
| Estimated average burden |     |  |  |  |  |  |  |  |
| hours per response:      | 0.5 |  |  |  |  |  |  |  |

| Washington, D.C. 20549   |   |  |   |  |  |         |         |                 |  | OMB APPROVAL        |  |  |   |   |  |  |  |
|--|---|--|---|--|--|---------|---------|-----------------|--|---------------------|--|--|---|---|--|--|--|
| Section 1  | is box if no long<br>16. Form 4 or F<br>ns may continu<br>on 1(b).  | orm 5                                      | STA   |  | ed pursu   | uant to | Section | n 16(a          | D) of the Secu<br>Investment C                                 | rities Exchan       | ge Act of 1  | -  | HIP   | Estima  | Numbe<br>ated av                                   | erage burden   | 3235-0287<br>1<br>0.5  |
| 1. Name and Address of Reporting Person <sup>*</sup><br><u>Hudson Susan Claire</u> |   |  |   | 2. Issuer Name and Ticker or Trading Symbol<br><u>FLOWSERVE CORP</u> [ FLS ] |  |         |         |                 |  |                     |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director 10% Owner |   |   |  |  |  |
| (Last)<br>5215 N O   | (First) (Middle)<br>O CONNOR BLVD   |  |   | 3. Date of Earliest Transaction (Month/Day/Year)<br>02/09/2024               |  |         |         |                 |  |                     |  | X Officer (give title Other (specify below) below)<br>Chief Legal Officer                        |   |   |  |  |  |
| # 700  |   |  |   |  | 4. If Amendment, Date of Original Filed (Month/Day/Year)   |         |         |                 |  | Line                | 6. Individual or Joint/Group Filing (Check Applicable Line)                                      |  |   |   |  |  |  |
| (Street)<br>IRVING   | ТХ  | 7:   | 5039  |  |  |         |         |                 |  |                     |  |  |   | led by Mor  | •  | rting Person<br>One Report   |  |
| (City)   | (Sta  | te) (Z                                     | Zip)  |  | Rule 10b5-1(c) Transaction Indication   Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. |         |         |                 |  |                     |  |  |   |   |  |  |  |
|  |   | Table                                      | e I - Noi   | n-Deriv  | ative  | Seci    | urities | 6 Ac            | quired, Di   | sposed o            | f, or Bei  | neficiall  | y Owned   |   |  |  |  |
| 1. Title of Security (Instr. 3) 2. Transa<br>Date<br>(Month/E                      |   |  |   | action 2A. Deemo<br>Execution<br>Jay/Year) if any<br>(Month/Da               |  |         | Date,   | Code (Instr. 5) |  |                     | 5. Amour<br>Securitie<br>Beneficia<br>Owned F  | s Form<br>Illy (D) o<br>ollowing (I) (In   |   | Direct I<br>Indirect E<br>str. 4) C   | 7. Nature of<br>ndirect<br>Beneficial<br>Ownership |  |  |
|  |   |  |   |  |  |         |         | Code V          | Amount   | (A) or<br>(D) Price |  | Reported<br>Transaction(s)<br>(Instr. 3 and 4)   |   |   |  | Instr. 4)  |  |
|  | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned<br>(e.g., puts, calls, warrants, options, convertible securities) |  |   |  |  |         |         |                 |  |                     |  |  |   |   |  |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                                | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security   | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |  | 4.<br>Transaction<br>Code (Instr.<br>8)  |         | of      |                 | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                     | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>derivative<br>Securities<br>Beneficial<br>Owned<br>Following<br>Reported<br>Transactic<br>(Instr. 4) | s<br>lly   | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|  |   |  |   |  | Code   | v       | (A)     | (D)             | Date<br>Exercisable  | Expiration<br>Date  | Title  | Amount<br>or<br>Number<br>of<br>Shares   |   |   |  |  |  |
| Restricted<br>Stock Units  | (1)   | 02/09/2024                                 |   |  | Α  |         | 9,589   |                 | (1)  | (1)                 | Common<br>Stock  | 9,589  | \$0   | 24,030  | 6  | D  |  |
| Performance<br>Rights  | (2)   | 02/09/2024                                 |   |  | Α  |         | 9,589   |                 | (2)  | (2)                 | Common<br>Stock  | 9,589  | \$ <b>0</b>   | 24,659  | 9  | D  |  |
| Explanation  | of Poenoneo   | e •  |   |  |  |         |         |                 |  |                     |  |  |   |   |  |  |  |

## Explanation of Responses

I. Each restricted stock unit represents the right to receive, at settlement, one share of common stock (plus dividends accrued on the underlying shares) and are 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.

2. 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% and are based on two factors 2. 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 20% and a based on two factors during a three-year performance cycle beginning on January 1, 2024 and ending on December 31, 2026 which are based equally on: 1) the issuer's ROIC for each calendar year in the performance period measured against the issuer's target ROIC for each calendar year in the performance period; and 2) the issuer's FCF as a percentage of adjusted net income for each calendar year in the performance period measured against the issuer's target FCF as a percentage of adjusted net income for each calendar year in the performance period. The performance rights are also subject to 15% payout modifier (positive or negative) based on the issuer's relative TSR in comparison to the TSR of companies that comprise the S&P 500 Industrials Index for the entire performance period.

## **Remarks:**

/s/ Shakeeb U. Mir, attorney-in-02/13/2024 fact

\*\* Signature of Reporting Person Date

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

 $^{\ast}$  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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.