SPIRE Corp Form 4 August 24, 2015

FORM 4

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

Check this box

if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction 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(b).

(Last)

1. Name and Address of Reporting Person * LITTLE MARK C

(Middle)

SPIRE CORPORATION, ONE PATRIOTS PARK

(Street)

(First)

2. Issuer Name and Ticker or Trading Symbol

SPIRE Corp [SPIR]

3. Date of Earliest Transaction (Month/Day/Year) 08/20/2015

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

6. Individual or Joint/Group Filing(Check Applicable Line)

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

BEDFORD, MA 01730-2396

| (City) | (State) | Zip) Table | e I - Non-D | erivative S | Securities A | equired, Disposed | of, or Beneficia | ally 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 onAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) Price | | 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) |
| Common Stock, \$0.01 par value | | | , Co uc | Timount | (B) Thee | 94,970 | D | |
| Common Stock, \$0.01 par value | | | | | | 6,315 | I | Held by spouse |
| Common Stock, \$0.01 par value | | | | | | 5,390 | I | Held as custodian for son |

| Comn | non |
|--------|-----|
| Stock | , |
| \$0.01 | par |

Held by Ι 9,384 401(k) Plan value

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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) | 4. Transa Code (Instr. 8 | | 5. Numb on Deriv Securitie Acquire (A) or Dispose | rative es d | 6. Date Exerci Expiration Dat (Month/Day/Y | te | 7. Title and Amount Underlying Securiti (Instr. 3 and 4) | |
|---|--|--|--------------------------------------|-----------------------------------|---|--|-------------------|--|--------------------|--|------------------------------|
| | | ļ | | Code | v | (D) (Instr. 3, and 5) | | Date Exercisable | Expiration Date | Title | Am or Nur of Sha |
| į | Non-Qualifed Stock Option | \$ 0.14 | 08/20/2015 | A | | 2,000 | | 08/20/2015 | 08/20/2025 | Commons Stock | 2,0 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|--|
| | Director | 10% Owner | Officer | Other | | | | |
| LITTLE MARK C SPIRE CORPORATION ONE PATRIOTS PARK BEDFORD, MA 01730-2396 | X | | | | | | | |

Signatures

(right to buy)

Mark C. Little 08/24/2015 **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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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