SPIRE Corp Form 4 September 26, 2014

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

2. Issuer Name and Ticker or Trading

OMB APPROVAL

OMB Number:

3235-0287

Expires:

5. Relationship of Reporting Person(s) to

January 31, 2005

0.5

Estimated average burden hours per

response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

LITTLE ROGER G			Symbol SPIRE Corp [SPIR]			Issuer (Charle III amiliarla)			
(Last) (First) (Middle) C/O SPIRE CORPORATION, ONE PATRIOTS PARK			3. Date of Earliest Transaction (Month/Day/Year) 09/25/2014			(Check all applicable) _X_ Director 10% Owner Officer (give title Other (specify below)			
BEDFORD,	4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City) 1.Title of Security (Instr. 3) Common Stock, \$0.01 par value	(State) 2. Transaction (Month/Day/Ye	ear) Executi any		3. Transaction Code (Instr. 8)	4. SecurionAcquired Disposed (Instr. 3,	ties l (A) or l of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	of, or Beneficia 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock, \$0.01 par value							18,914	I	Held by 401(k) Plan
Common Stock, \$0.01 par value							5,069	I	Held by 401(k) Plan by spouse

Common Stock, \$0.01 par

value

845,241 D

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

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 control number.

SEC 1474

(9-02)

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	,	Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number toof Derivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(Instr. 3, 4, and 5)	Date Exercisable	Expiration Date	Title	Amo or Num of Shar
Non-Qualified Stock Option	\$ 0.45	09/25/2014		A	2,000	09/25/2014	09/25/2024	Common Stock	2,0

Reporting Owners

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

Signatures

(right to buy)

Roger G. Little 09/26/2014

**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).

Reporting Owners 2

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(1) Includes 2,109,305 shares of common stock in the Roger G. Little Family Trust of which Mr. Little is the primary beneficiary.

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.