SPIRE CORP Form 4 January 26, 2006

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

Washington, D.C. 20549

January 31, Expires: 2005

Form 5 obligations STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LITTLE ROGER G

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

SPIRE CORP [SPIR]

(Check all applicable)

(Last)

(City)

(First) (Middle) 3. Date of Earliest Transaction

X 10% Owner X_ Officer (give title Other (specify

C/O SPIRE CORPORATION, ONE

01/24/2006

(Month/Day/Year)

below) Chairman & CEO

PATRIOTS PARK

(Street)

(State)

4. If Amendment, Date Original

Applicable Line)

_X__ Director

Filed(Month/Day/Year)

S

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

6. Individual or Joint/Group Filing(Check

Person

BEDFORD, MA 01730

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) any (Month/Day/Year)

(Zip)

3. 4. Securities Acquired Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

(A)

5. Amount of 6. Ownership 7. Nature of Securities Beneficially (D) or Owned Following (Instr. 4) Reported

Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

Common

value

Stock. 01/24/2006 \$0.01 par

Code V Amount (D)

22,500

Transaction(s) (Instr. 3 and 4) Price

\$ 10 2,253,445 ⁽²⁾

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.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exer		7. Title a		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if		onNumber	Expiration D		Amount		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	_	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities	S		(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	,				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						(IIISti
					4, and 5)						
					4, and 3)						
								A	mount		
						D.	E	01	r		
						Date Exercisable	Expiration Date	Title Number of	umber		
				Code V	(A) (D)				hares		

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	X	X	Chairman & CEO			

Signatures

Roger G. Little 01/26/2006 **Signature of Date Reporting Person

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).
- (1) This sale was made pursuant to a plan intended to comply with Rule 10b5-1 adopted on September 19, 2005.
- (2) Includes 2,224,545 shares of Common Stock held in a 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.

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