SPIRE CORP Form 4 May 26, 2009

## FORM 4

#### OMB APPROVAL

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

OMB Number: 3235-0287

January 31,

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

Estimated average burden hours per

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

Ι

5,390

Form 4 or Form 5 obligations 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

2. Issuer Name and Ticker or Trading

1(b).

Stock,

value

\$0.01 par

(Print or Type Responses)

1. Name and Address of Reporting Person \*

LITTLE MARK C			Symbol SPIRE CORP [SPIR]			Issuer (Check all applicable)				
	(Last)	(First)	(Middle)	3. Date of	Earliest Tra	insaction		(Cn	еск ан аррисав	ie)
ONE PATRIOTS PARK			(Month/Day/Year) 05/21/2009			_X Director 10% Owner Officer (give title Other (specify below) CEO, Spire Biomedical				
		(Street)		4. If Amer	ndment, Dat	e Original		6. Individual or	Joint/Group Fil	ing(Check
			Filed(Month/Day/Year)			Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
BEDFORD, MA 01730-2396										
	(City)	(State)	(Zip)	Table	e I - Non-Do	erivative S	Securities Ac	equired, Disposed	of, or Beneficia	ally Owned
	1.Title of Security (Instr. 3)	2. Transaction I (Month/Day/Ye	ear) Execution	med on Date, if Day/Year)	3. Transactio Code (Instr. 8)	4. Securit nAcquired Disposed (Instr. 3,	(A) or of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	
	Stock, \$0.01 par value							94,970	D	
	Common Stock, \$0.01 par value							6,415	I	Held by Spouse
	Common									Held as

Custodian

for Son

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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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactio Code (Instr. 8)	5. Number proof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amoun or Number of Shares
Employee Incentive Stock Option (right to buy)	\$ 6.24	05/21/2009		A	5,000	05/21/2010 <u>(1)</u>	05/21/2019	Common Stock	5,000

## **Reporting Owners**

Reporting Owner Name / Address	Relationships					
1 8	Director	10% Owner	Officer	Other		
LITTLE MARK C						

ONE PATRIOTS PARK X CEO, Spire Biomedical BEDFORD, MA 01730-2396

**Signatures** 

Mark C. Little 05/26/2009 \*\*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).
- The option is exercisable in annual increments of 25% of the option shares, with the first quarter becoming exercisable on the date in this

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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