SPIRE CORP Form 4 February 06, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations 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).

(Last)

value

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

(Middle)

SPIRE CORP [SPIR] 3. Date of Earliest Transaction

(Month/Day/Year)

_X__ Director

_X__ 10% Owner __Other (specify

C/O SPIRE CORPORATION, ONE

(First)

02/03/2006

X_ Officer (give title below) Chairman and CEO

PATRIOTS PARK

(Street)

(Ctata)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(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) (Table Table	e I - Non-D	erivative S	Securit	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ies Ac	quired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Di	sposed	of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code (Instr. 3, 4 and 5)			Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(1)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common									
Stock, \$0.01 par	02/03/2006		S	22,500 (1)	D	\$ 10.5	2,230,945 (2)	D	

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

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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	Expiration	Title N	umber		
						Exercisable Da	Date	01			
				Code V	(A) (D)				hares		

Reporting Owners

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

Signatures

Roger G. Little 02/06/2006 **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 pursuant to a plan intended to comply with Rule 10b5-1 adopted on September 19, 2005.
- (2) Includes 2,202,045 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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