

SPIRE CORP  
Form 4  
October 03, 2005

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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. Name and Address of Reporting Person \*  
MAYER GUY L

(Last) (First) (Middle)

C/O SPIRE CORPORATION, ONE PATRIOTS PARK

(Street)

BEDFORD, MA 01730

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
SPIRE CORP [SPIR]

3. Date of Earliest Transaction (Month/Day/Year)  
09/29/2005

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock, \$0.01 par value	09/29/2005		M	10,000	A \$ 6.05	10,000	D
Common Stock, \$0.01 par value	09/29/2005		S	5,000	D \$ 10.1	5,000	D
Common Stock, \$0.01 par value	09/29/2005		S	5,000	D \$ 10.11	0	D

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

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(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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Underlying (Instr. 3 and 4)
						Date Exercisable	Expiration Date	
Non-Incentive Stock Option (right to buy)	\$ 10.74	09/30/2005		A	1,250	09/30/2006 <sup>(1)</sup>	09/30/2015	Common Stock
Non-Incentive Stock Option (right to buy)	\$ 6.05	09/29/2005		M	10,000	06/06/2002 <sup>(2)</sup>	06/06/2011	Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MAYER GUY L C/O SPIRE CORPORATION ONE PATRIOTS PARK BEDFORD, MA 01730	X			

## Signatures

Guy L. Mayer                      10/03/2005  
 \*\*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) The option is exercisable in annual increments of 25% of the option shares, with the first quarter increment becoming exercisable on the date in this column.
- (2) The option is exercisable in annual increments of 25% of the option shares, with the first quarter increment becoming exercisable on the date in this column. This option is now fully exercisable.

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

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