

SPIRE CORP  
Form 4  
October 22, 2007

**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 \*  
Magliochetti Michael

(Last) (First) (Middle)

C/O SPIRE CORPORATION, ONE PATRIOTS PARK

(Street)

BEDFORD, MA 01730-2396

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)  
10/19/2007

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)
			Code	V	Amount (A) or (D) Price		
Common Stock, \$0.01 par value	10/19/2007		M		2,500 A \$ 2.7	2,500	D
Common Stock, \$0.01 par value	10/19/2007		S		2,500 D \$ 15.32 (1)	0	D
Common Stock, \$0.01 par value	10/19/2007		M		938 A \$ 5.74	938	D

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Common Stock, \$0.01 par value	10/19/2007	S	938	D	\$ 15.32 <u>(1)</u>	0	D
Common Stock, \$0.01 par value	10/19/2007	M	938	A	\$ 4.79	938	D
Common Stock, \$0.01 par value	10/19/2007	S	938	D	\$ 15.32 <u>(1)</u>	0	D
Common Stock, \$0.01 par value	10/19/2007	M	625	A	\$ 4.39	625	D
Common Stock, \$0.01 par value	10/19/2007	S	625	D	\$ 15.32 <u>(1)</u>	0	D
Common Stock, \$0.01 par value	10/19/2007	M	625	A	\$ 4.9	625	D
Common Stock, \$0.01 par value	10/19/2007	S	625	D	\$ 15.32 <u>(1)</u>	0	D

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 Amount of Underlying Security (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable	Title

						Expiration Date	
Non-Incentive Stock Option (right to buy)	\$ 2.7	10/19/2007	M	2,500	08/22/2003 <sup>(2)</sup>	08/22/2012	Common Stock
Non-Incentive Stock Option (right to buy)	\$ 5.74	10/19/2007	M	938	06/30/2005 <sup>(2)</sup>	06/30/2014	Common Stock
Non-Incentive Stock Option (right to buy)	\$ 4.79	10/19/2007	M	938	09/30/2005 <sup>(2)</sup>	09/30/2014	Common Stock
Non-Incentive Stock Option (right to buy)	\$ 4.39	10/19/2007	M	625	12/31/2005 <sup>(2)</sup>	12/31/2014	Common Stock
Non-Incentive Stock Option (right to buy)	\$ 4.9	10/19/2007	M	625	03/31/2006 <sup>(2)</sup>	03/31/2015	Common Stock

## Reporting Owners

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

## Signatures

Michael  
Magliochetti                      10/22/2007

\_\_\_\_\_  
\*\*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) Price is based on weighted average of sale price.

(2) The option is exercisable in annual increments of 25% of the option shares, with the first increment becoming exercisable on the date shown in this column.

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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