SPIRE CORP Form 4 August 17, 2007

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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

2. Issuer Name and Ticker or Trading

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person *

Magliochetti Michael

Symbol SPIRE CORP [SPIR]

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 08/16/2007

C/O SPIRE CORPORATION, ONE PATRIOTS PARK

(First)

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

Applicable Line)

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

Officer (give title

Issuer

below)

X_ Director

BEDFORD, MA 01730-2396

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5) Securities Beneficially Owned Following Reported

6. Ownership Form: Direct (I) (Instr. 4)

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

(Check all applicable)

Indirect (D) or Indirect Beneficial Ownership (Instr. 4)

7. Nature of

10% Owner

Other (specify

OMB APPROVAL

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January 31,

2005

0.5

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Number:

Expires:

response...

Estimated average

burden hours per

(A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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.

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

1. Title of Derivative Security

2. Conversion or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

5. Number Transaction Derivative Code Securities

Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amour Underlying Securit (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.	8)	Acquired (A) or Disposed (D) (Instr. 3, and 5)	d of				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option (right to buy)	\$ 9.15	08/16/2007		A		2,000		08/16/2007	08/16/2017	Common Stock	2,0

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 08/17/2007

**Signature of Reporting Person Date

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).

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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