Magliochetti Michael Form 4 May 20, 2013

FORM 4

subject to

Section 16.

Form 4 or

Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 Check this box if no longer

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Magliochetti Michael

2. Issuer Name and Ticker or Trading

Symbol

SPIRE Corp [SPIR]

(Last) (First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year) 05/16/2013

C/O SPIRE CORPORATION, ONE

PATRIOTS PARK

4. If Amendment, Date Original (Street)

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

5. Relationship of Reporting Person(s) to

(Check all applicable)

10% Owner

Other (specify

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

below)

X_ Director

Officer (give title

BEDFORD, MA 01730-2396

(City) (State) (Zip)

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

1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Indirect Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned (I) Ownership (Instr. 4) Following (Instr. 4)

Reported (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.

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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 3. Transaction Date 3A. Deemed 5. Number 6. Date Exercisable and 7. Title and Amoun Derivative Conversion (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date Underlying Securiti Security or Exercise any Code Securities (Month/Day/Year) (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	Amou or Numb of Share
Non-Qualifed Stock Option (right to buy)	\$ 0.53	05/16/2013		A		2,000		05/16/2013	05/16/2023	Common Stock	2,00

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 05/20/2013

**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.

Reporting Owners 2