REDMOND ROGER

Form 4

January 04, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Check this box if no longer subject to Section 16.

Form 4 or Form 5 obligations

may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

REDMOND ROGER

2. Issuer Name and Ticker or Trading Symbol

SPIRE CORP [SPIR]

(First) (Middle) (Last)

(Month/Day/Year)

3. Date of Earliest Transaction

12/30/2005

(Check all applicable) X_ Director 10% Owner

5. Relationship of Reporting Person(s) to

Officer (give title Other (specify below)

C/O SPIRE CORPORATION, ONE PATRIOTS PARK

> (Street) 4. If Amendment, Date Original

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

Issuer

BEDFORD, MA 01730

(City) (State) (Zip)

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

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 Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (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.

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 of Derivative Expiration Date Code Securities

6. Date Exercisable and

(Month/Day/Year)

7. Title and Ame Underlying Secu (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.		Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	A O: N O: S
Non-Incentive Stock Option (right to buy)	\$ 7.45	12/30/2005		A		1,250		12/30/2006(1)	12/30/2015	Common Stock	

Reporting Owners

Reporting Owner Name / Address	Relationships						
•	Director	10% Owner	Officer	Other			
REDMOND ROGER							
C/O SPIRE CORPORATION	X						
ONE PATRIOTS PARK	Λ						
BEDFORD, MA 01730							

Signatures

Roger W.
Redmond

**Signature of Reporting Person

O1/04/2006

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).
- (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.

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