SPIRE CORP Form SC 13G/A April 23, 2009

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (AMENDMENT NO. 2)*

SPIRE CORP
(Name of Issuer)
Common Stock
(Title of Class of Securities)
848565107
(CUSIP Number)
04/20/09
(Date of Event which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this schedule is filed:
/ / Rule 13d-i(b) /X / Rule 13d-i(c) / / Rule 13d-i(d)
*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

which would alter the disclosures provided in a prior cover page.

CUSIP	NO.	848565107	13G/A

NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

AMH	Equity LLC					
2		RIATE BOX IF A MEMBER OF A GROUP*				
3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION New York, USA					
	NUMBER OF SHARES BENEFICIALLY	5 SOLE VOTING POWER				
	OWNED BY EACH	6 SHARED VOTING POWER				
	REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER				
	WIII	8 SHARED DISPOSITIVE POWER				
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 413,023 shares of common stock.					
	CHECK BOX IF THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9					
12	TYPE OF REPORTING PERSON* PN					

CUSI	P NO. 8	48565107		13G/A	
	I.R.S. I	REPORTING IDENTIFICATE	ION NO	. OF ABOVE PERSONS (ENTITIES ONLY)	
2			(b	X IF A MEMBER OF A GROUP*	
3	SEC USE	ONLY			
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA				
		R OF ARES	5	SOLE VOTING POWER 413,023 Shares of Common Stock	
	BENEFICI	ALLY			
		D BY EACH	6	SHARED VOTING POWER	
	REPOR	TING	7	SOLE DISPOSITIVE POWER	
		RSON WITH		413,023 Shares of Common Stock	
				SHARED DISPOSITIVE POWER	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 413,023 shares of common stock.				
	CHECK BO			TE AMOUNT IN ROW (9) EXCLUDES CERTAIN	

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

4.96%

12 TYPE OF REPORTING PERSON* PN

ITEM 1: (a) NAME OF ISSUER:

SPIRE CORP

(b) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:
ONE PATRIOTS PARK
Bedford, MA 01730

ITEM 2: (a) NAME OF PERSON FILING:

This Schedule 13G/A is jointly filed by Leviticus Partners, L.P., a Delaware limited partnership ("Leviticus") and AMH Equity, LLC ("AMH"), a New York limited liability company (each a "Reporting Person" and, collectively, the "Reporting Persons"). AMH is the general partner of Leviticus.

(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE:

C/O Leviticus Partners LP The Lincoln Building 60 East 42nd Street Suite 901 New York, NY 10165

(c) CITIZENSHIP:

See above

(d) TITLE OF CLASS OF SECURITIES:

SEE COVER PAGE

(e) CUSIP NUMBER:

SEE COVER PAGE

ITEM 3: See Item 12 above

ITEM 4: (a) AMOUNT BENEFICIALLY OWNED:

See Item 9 above

(b) PERCENT OF CLASS:

See Item 11 above

(c) NUMBER OF SHARES AS TO WHICH SUCH PERSON HAS VOTING AND DISPOSITIVE POWERS:

See Items 5 and 7 above

ITEM 5: OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS: / X /

ITEM 6: OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER

PERSON:

N/A

The principal address of Leviticus is:

60 East 42nd Street

Suite 901

New York, NY 10165

ITEM 7:

Inapplicable

ITEM 8:

Inapplicable

ITEM 9: NOTICE OF DISSOLUTION OF GROUP:

Inapplicable

ITEM 10: CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in theordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: April 23, 2009

Leviticus Partners, L.P.

By: AMH Equity, LLC, its general partner

By: /s/ Adam Hutt Name: Adam Hutt

Title: Managing Member

AMH Equity, LLC By: /s/ Adam Hutt

Name: Adam Hutt

Title: Managing Member