SPIRE CORP Form SC 13G/A January 05, 2009

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (AMENDMENT NO. 1)*

SPIRE CORP

(Name of Issuer)

Common Stock

(Title of Class of Securities)

848565107

(CUSIP Number)

12/31/08

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

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.

	CUSIP	NO.	848565107
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13G/A

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

AMH 	Equity	LLC					
2	CHECK	THE	APPROPR	IATE	BOX	IF A MEMBER OF A GROUP*	
	(a)	/	/		(b)	/ /	
3	SEC US	SE 01	1LY 				
4	CITIZI	ENSHI	IP OR PL	ACE C	DF O	RGANIZATION	
	New Yo	ork,	USA				
	NUI	MBER	OF	5	1	SOLE VOTING POWER	
		SHAI	RES				
	BENEF	ICIAI	LLY -				
	0	WNED	BY	6		SHARED VOTING POWER	
		EA	ACH				
	REI	PORT	ENG	7		SOLE DISPOSITIVE POWER	
	PERSON						
		W	ΓTΗ				
				8		SHARED DISPOSITIVE POWER	
9			AMOUNT nares of			ALLY OWNED BY EACH REPORTING PERSON stock.	
	CHECK ES* /		IF THE	AGGRE	GAT:	E AMOUNT IN ROW (9) EXCLUDES CERTAIN	
11		NT OF	CLASS	REPRE	SEN	TED BY AMOUNT IN ROW 9	
	5.7%						
12	TYPE OF REPORTING PERSON* PN						

CUSIE	P NO.	848	8565107		13G/A
	I.R.S	. IDH	EPORTING ENTIFICAT	FION NO	N D. OF ABOVE PERSONS (ENTITIES ONLY)
2	CHECK	THE	APPROPRI	LATE BO	DX IF A MEMBER OF A GROUP*
	(a)	/	/	(k) / /
3	SEC US	SE 01	NLY		
4	CITIZI Delawa			ACE OF	ORGANIZATION
	NUI	MBER	OF	5	SOLE VOTING POWER
		SHAI	RES		476,300 Shares of Common Stock
	BENEF	ICIAI	LLY		
	01		BY ACH	6	SHARED VOTING POWER
				_	
	REI	PORT	ING	7	SOLE DISPOSITIVE POWER
		PERS	SON		476,300 Shares of Common Stock
		W	ITH		
				8	SHARED DISPOSITIVE POWER
9			AMOUNT B		CIALLY OWNED BY EACH REPORTING PERSON
	CHECK ES* /		IF THE 2	AGGREGA	ATE AMOUNT IN ROW (9) EXCLUDES CERTAIN

11	PERCENT	OF	CLASS	REPRESENTED	ΒY	AMOUNT	IN	ROW	9
	5.7%								
12	TYPE OF PN	REP	PORTING	FERSON*					

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: / /
ITEM 6: PERSON:		OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER 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: January 5, 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