SPIRE CORP Form SC 13D/A December 13, 2004 UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549 SCHEDULE 13D/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) Leviticus Partners, L.P. Adam M. Hutt 30 Park Ave. Suite 12F New York, NY 10016 (212) 871-5700 (Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications) December 11, 2004 _____ (Date of Event which Requires Filing of this Statement) If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), (f) or (g), check the following box. *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 on 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 1 NAMES OF REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS

	Leviticus Par	tners, L.P.					
2 (a)		ROPRIATE BOX IF A MEMBER OF A GROUP:					
(b)	_						
3	SEC USE ONLY	SEC USE ONLY					
4	SOURCE OF FUN	SOURCE OF FUNDS:					
	WC						
5 ITEMS	CHECK IF DISC 5 2(d) or 2(e)	LOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT T					
6	CITIZENSHIP O	R PLACE OF ORGANIZATION:					
	Delaware						
		7 SOLE VOTING POWER: 425,200					
	NUMBER OF	8 SHARED VOTING POWER:					
	SHARES BENEFICIALLY OWNED BY	0					
	EACH	9 SOLE DISPOSITIVE POWER:					
	REPORTING PERSON WITH	425,200					
		10 SHARED DISPOSITIVE POWER:					
		0					
11	AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING Perso					
425,2	200						
12 CERT <i>I</i>	CHECK BOX AIN SHARES:	IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES					
13	PERCENT O	F CLASS REPRESENTED BY AMOUNT IN ROW (11):					
	6.2%						
14	TYPE OF R	EPORTING PERSON:					
	PN						
CUSII	? No. 848565107						
1		RTING PERSONS					
	S.S. OR I.R.S AMH Equity, L	. IDENTIFICATION NO. OF ABOVE PERSONS					
2	CHECK THE	APPROPRIATE BOX IF A MEMBER OF A GROUP:					

3	SEC USE	ONLY	
4	SOURCE C	OF FUNDS:	
	AF		
5 TO ITEMS	CHECK IE 5 2(d) or 2(e		RE OF LEGAL PROCEEDINGS IS REQUIRED PURSUAN'
6	CITIZENS	SHIP OR PL	ACE OF ORGANIZATION:
	New	York	
		7	SOLE VOTING POWER:
			0
NU	JMBER OF	8	SHARED VOTING POWER:
	SHARES NEFICIALLY		0
	WNED BY EACH	9	SOLE DISPOSITIVE POWER:
	PORTING SON WITH		0
		10	SHARED DISPOSITIVE POWER:
		10	
			0
11	ACCDECA	TE AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON
	AGGREGAI		
	AGGKEGAI		
0	CHECK BC	DX IF THE	AGGREGATE AMOUNT IN ROW (11) EXCLUDES
0 12 CERTAIN	CHECK BC SHARES:		
0	CHECK BC SHARES:		1_1
0 12 CERTAIN 13	CHECK BO SHARES: PERCENT		I_I REPRESENTED BY AMOUNT IN ROW (11): 0
0 12 CERTAIN 13 14	CHECK BO SHARES: PERCENT	OF CLASS	I_I REPRESENTED BY AMOUNT IN ROW (11): 0 PERSON:
0 12 CERTAIN 13 14	CHECK BO SHARES: PERCENT TYPE OF	OF CLASS	I_I REPRESENTED BY AMOUNT IN ROW (11): 0 PERSON:
0 12 CERTAIN 13 14 CUSIP Nc	CHECK BO SHARES: PERCENT TYPE OF 0. 848565107 NAMES OF REF	OF CLASS REPORTING PORTING PE	I_I REPRESENTED BY AMOUNT IN ROW (11): 0 PERSON: 00
0 12 CERTAIN 13 14 CUSIP No 1	CHECK BO SHARES: PERCENT TYPE OF 0. 848565107 NAMES OF REF	OF CLASS REPORTING PORTING PE .S. IDENTI	I_I REPRESENTED BY AMOUNT IN ROW (11): 0 PERSON: 00 RSONS
0 12 CERTAIN 13 14 CUSIP No 1	CHECK BO SHARES: PERCENT TYPE OF 0. 848565107 NAMES OF REF S.S. OR I.R. ameter Partne	OF CLASS REPORTING PORTING PE S. IDENTI Pers, LLC	I_I REPRESENTED BY AMOUNT IN ROW (11): 0 PERSON: 00 RSONS
0 12 CERTAIN 13 14 CUSIP No 1 Para 2 (a) X	CHECK BO SHARES: PERCENT TYPE OF 0. 848565107 NAMES OF REF S.S. OR I.R. ameter Partne	OF CLASS REPORTING PORTING PE S. IDENTI Prs, LLC HE APPROPR	REPRESENTED BY AMOUNT IN ROW (11): 0 PERSON: 00 RSONS FICATION NO. OF ABOVE PERSONS

4	SOURCE OF	FUNDS:	
	WC		
5 TO ITEMS 2(d		ISCLOSURE	OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT
6	CITIZENSHI	P OR PLACE	E OF ORGANIZATION:
	New Yo	rk	
		7	SOLE VOTING POWER:
			22,216
NUMBER SHAR		8	SHARED VOTING POWER:
BENEFIC	IALLY		0
OWNED EAC	Н	9	SOLE DISPOSITIVE POWER:
REPORT PERSON	-		22,216
		10 SH	HARED DISPOSITIVE POWER:
			0
CERTAIN SHAR	ES:		GREGATE AMOUNT IN ROW (11) EXCLUDES
14	TYPE OF RE	PORTING PI	ERSON: PN
CUSIP No. 84	8565107		
	NAMES OF R S.S. OR I.		PERSONS TIFICATION NO. OF ABOVE PERSONS
Adam M. Hutt 2 (a) X (b) _		APPROPRIAT	TE BOX IF A MEMBER OF A GROUP:
3	SEC USE ON	LY	
4 00	SOURCE OF	FUNDS:	
			OF LEGAL PROCEEDINGS T TO ITEMS 2(d) or 2(e)

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1_1						
CITIZENSHIP OR PLACE OF ORGANIZATION:						
United States						
	7	SOLE VOTING POWER:				
		0				
NUMBER OF SHARES	8	SHARED VOTING POWER:				
BENEFICIALLY OWNED BY		0				
EACH REPORTING	9	SOLE DISPOSITIVE POWER:				
PERSON WITH		0				
	10	SHARED DISPOSITIVE POWER:				
		0				
AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING	PERSON:			

REPORTING							
PERSON	WITH			0			
		10	SHARED	DISPO	SITIVE	POWER:	
				0			
11	AGGREGATE	AMOUNT	BENEFIC: 0	IALLY	OWNED B	Y EACH	REPORTING PERS
12 CERTAIN SHAN		IF THE	AGGREGA	re amo	UNT IN	ROW (11	L) EXCLUDES
13	PERCENT OF	F CLASS	REPRESE	NTED B	Y AMOUN	T IN RO	DW (11):
				0			
14 HC, IN	TYPE OF RE	EPORTIN	G PERSON	:			

ITEM 1. SECURITY AND ISSUER.

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This schedule 13D/A relates to the common stock, \$.001 par value per share (the "Shares"), of SPIRE CORP (the "Issuer"). The principal executive offices of the Issuer are located at ONE PATRIOTS PARK; Bedford, MA 01730.

ITEM 2. IDENTITY AND BACKGROUND.

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

Information contained herein with respect to each Reporting Person is given solely by such Reporting Person, and no other Reporting Person has responsibility for the accuracy or completeness of information s upplied by such other Reporting Person.

(b) The business address for all Reporting Persons is 30 Park Avenue, Suite 12F, New York, New York 10016.

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(c) Each Reporting Person's principal business is investing in securities in order to achieve certain investment objectives.

(d) During the last five years, none of the Reporting Persons has been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).

(e) During the last five years, none of the Reporting Persons has been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, Federal or state securities laws or finding any violation with respect to such laws.

(f) Adam Hutt is a citizen of the United States.

ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.

Leviticus used approximately \$1,508,500 of its working capital to purchase the Shares and Parameter used approximately \$102,000 of its working capital to purchase the Shares.

ITEM 4. PURPOSE OF TRANSACTION.

The Reporting Persons purchased the Shares for investment purposes. The Reporting Persons presently consider the Shares an attractive investment and intend to review their investment on an ongoing basis. Such continuing review may result in the Reporting Persons acquiring additional shares of the Issuer in the open-market or in privately negotiated transactions, maintaining their holdings at current levels or selling all or a portion of their holdings in the open-market or in privately negotiated transactions. Any such actions the Reporting Persons undertake will be dependent upon, among other things, the availability of shares of the Issuer for purchase and the price levels of such shares; general market and economic conditions; on-going evaluation of the Issuer's business, financial condition, operations and prospects; the relative attractiveness of alternative business and investment opportunities; the availability of funds for the purchase of additional shares of the Issuer; the actions of the management and Board of Directors of the Issuer; and other future developments. Although the foregoing reflects activities presently contemplated by the Reporting Persons with respect to the Issuer, the foregoing is subject to change at any time. Except as set forth above, the Reporting Persons have no present plans or intentions which would result in or relate to any of the transactions described in subparagraphs (a) through (j) of Item 4 of Schedule 13D.

ITEM 5. INTEREST IN THE SECURITIES OF THE ISSUER.

(a) For purposes of Rule 13d-3 under the Securities Exchange Act of 1934, as amended, Leviticus may be deemed to be the beneficial owner of the aggregate amount of 425,200 Shares representing approximately 6.2% of the outstanding Shares of the Issuer (based upon 6,839,909 shares outstanding as of October 25, 2004, as reported on the latest Form 10-QSB of the Issuer for the quarter ended September 30, 2004).

For purposes of Rule 13d-3 under the Securities Exchange Act of 1934, as amended, Parameter may be deemed to be the beneficial owner of the aggregate amount of 22,216 Shares representing approximately 0.3% of the outstanding Shares of the Issuer (based upon 6,839,909 shares outstanding as of October 25, 2004, as reported on the latest Form 10-QSB of the Issuer for the quarter ended September 30, 2004).

AMH is the general partner of Leviticus and for purposes of Rule 13d-3 under the Securities Exchange Act of 1934, as amended, AMH may be deemed to be the beneficial owner of the aggregate amount of 447,416 Shares representing approximately 6.5% of the outstanding Shares of the Issuer (based upon 6,839,909 shares outstanding as of October 25, 2004, as reported on the latest Form 10-QSB of the Issuer for the quarter ended September 30, 2004). AMH disclaims any beneficial ownership of the Shares covered by this Statement.

Adam Hutt is the control person of AMH and for purposes of Rule 13d-3 under the Securities Exchange Act of 1934, as amended, Adam Hutt may be deemed to be the beneficial owner of the aggregate amount of 447,416 Shares representing approximately 6.5% of the outstanding Shares of the Issuer (based upon 6,839,909 shares outstanding as of October 25, 2004, as reported on the latest Form 10-QSB of the Issuer for the quarter ended September 30, 2004). Adam Hutt disclaims any beneficial ownership of the Shares covered by this Statement.

(b) Leviticus has sole voting and dispositive power of it's Shares and Parameter has sole voting and dispositive power of it's Shares. AMH and Adam Hutt disclaim beneficial ownership of the Shares.

(c) Leviticus effected the following transactions in the Shares during the past 60 days as set forth below:

Date	Туре	Amount of Shares	Price/Share
12/02/04	open market purchase	2,538	4.43
12/02/04	open market purchase	200	4.35
12/01/04	open market purchase	3,200	4.40
11/26/04	open market purchase	62	4.35
11/23/04	open market purchase	3,700	4.25
11/23/04	open market purchase	500	4.23
11/18/04	open market purchase	5,000	4.55
11/17/04	open market purchase	200	4.55
11/17/04	open market purchase	1,300	4.56
11/17/04	open market purchase	8,500	4.63

Parameter effected the following transactions in the Shares during the past 60 days as set forth below:

Date	Туре	Amount of Shares	Price/Share
10/14/04	open market purchase	900	4.82
10/13/04	open market purchase	5,416	4.82
10/12/04	open market purchase	900	4.81

(d) Not Applicable.

(e) Not applicable.

ITEM 6. CONTRACTS, ARRANGEMENTS, UNDERSTANDINGS OR RELATIONSHIPS WITH RESPECT TO SECURITIES OF THE ISSUER.

Not Applicable

ITEM 7. MATERIAL TO BE FILED AS EXHIBITS.

Not Applicable

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: December 11, 2004

Leviticus Partners, L.P. By: AMH Equity, LLC, its general partner By: /s/ Adam Hutt Name: Adam Hutt Title: Managing Member

Parameter Partners, LLC 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

Adam Hutt By: /s/ Adam Hutt Name: Adam Hutt

Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).