

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* MOORE WILLIAM B			2. Issuer Name and Ticker or Trading Symbol WESTAR ENERGY INC /KS [WR]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) President and CEO	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 02/24/2010		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	
818 SW KANSAS AVENUE			4. If Amendment, Date of Original Filed (Month/Day/Year)			
(Street)	TOPEKA	KS	66612			
(City)	(State)	(Zip)				

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, par value \$5.00	02/24/2010		A ⁽¹⁾		32,800	A	\$0	209,571 ⁽²⁾	D	
Common Stock, par value \$5.00	02/24/2010		A ⁽³⁾		32,800	A	\$0	242,371 ⁽⁴⁾	D	
Common Stock, par value \$5.00	02/24/2010		A ⁽⁵⁾		32,800	A	\$0	275,171 ⁽⁶⁾	D	
Common Stock, par value \$5.00	02/24/2010		A ⁽⁷⁾		24,600	A	\$0	299,771 ⁽⁸⁾	D	
Common Stock, par value \$5.00	02/24/2010		A ⁽⁹⁾		16,400	A	\$0	316,171 ⁽¹⁰⁾	D	
Common Stock, par value \$5.00								82,325	I	By trust ⁽¹¹⁾
Common Stock, par value \$5.00								1,248	I	By trust ⁽¹²⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

Explanation of Responses:

- Grant of restricted share units that will vest on 12/31/2010 if the reporting person remains employed with the issuer through the vesting date. Restricted share units are subject to forfeiture under certain conditions.
- Includes 70,600 restricted share units that are subject to forfeiture.
- Grant of restricted share units that will vest on 12/31/2011 if the reporting person remains employed with the issuer through the vesting date. Restricted share units are subject to forfeiture under certain conditions.
- Includes 103,400 restricted share units that are subject to forfeiture.
- Grant of restricted share units that will vest on 12/31/2012 if the reporting person remains employed with the issuer through the vesting date. Restricted share units are subject to forfeiture under certain conditions.
- Includes 136,200 restricted share units that are subject to forfeiture.
- Grant of performance-based restricted share units that will vest on 12/31/2010 if the reporting person remains employed with the issuer through the vesting date. Restricted share units are subject to forfeiture under certain conditions. Additional shares may be earned based on performance determined at a specified time.
- Includes 160,800 restricted share units and performance-based restricted share units that are subject to forfeiture.
- Grant of performance-based restricted share units that will vest on 12/31/2011 if the reporting person remains employed with the issuer through the vesting date. Restricted share units are subject to forfeiture under certain conditions. Additional shares may be earned based on performance determined at a specified time.
- Includes 177,200 restricted share units and performance-based restricted share units that are subject to forfeiture.
- Shares are held in a trust, of which the reporting person is both a co-trustee and beneficiary of the trust.
- Shares are held in a trust, of which the reporting person is a co-trustee.

Remarks:

Cynthia S. Couch by power of attorney 02/26/2010

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.