

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G  
Under the Securities Exchange Act of 1934

(Amendment No. 9)\*

CEMEX, S.A.B. de C.V.

---

(Name of Issuer)

Ordinary Participation Certificates

---

(Title of Class and Securities)

2406457

---

(CUSIP Number of Class of Securities)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

/X/ Rule 13d-1(b)  
/ / Rule 13d-1(c)  
/ / Rule 13d-1(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 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 (however, see the Notes).

(Continued on following page(s))

CUSIP No. 2406457

13G

---

(1) NAMES OF REPORTING PERSONS  
Southeastern Asset Management, Inc. I.D. No. 62-0951781

---

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:  
(a)  
(b) X

---

(3) SEC USE ONLY

---

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Tennessee

	: (5) SOLE VOTING POWER
	: (Discretionary Accounts)
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	: 927,587,058 shares
	: (6) SHARED OR NO VOTING POWER
	817,895,470 shares (Shared)
	209,097,374 shares (No Vote)
	: (7) SOLE DISPOSITIVE POWER
	(Discretionary Accounts)
	: 1,136,684,432 shares
	: (8) SHARED DISPOSITIVE POWER
	: 817,895,470 shares (Shared)
	0 shares (None)
<hr/>	
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	1,954,579,902 shares
<hr/>	
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES CERTAIN SHARES	
<hr/>	
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	18.4 %
<hr/>	
(12) TYPE OF REPORTING PERSON	IA

CUSIP No. 2406457 13G

(1) NAMES OF REPORTING PERSONS	Longleaf Partners Fund	I.D. No. 63-6147721
<hr/>		
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:	(a)	(b) X
<hr/>		
(3) SEC USE ONLY		
<hr/>		
(4) CITIZENSHIP OR PLACE OF ORGANIZATION	Massachusetts Business Trust	
<hr/>		
	: (5) SOLE VOTING POWER	
	: (Discretionary Accounts)	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	: None	
	: (6) SHARED VOTING POWER	
	: 675,253,470 shares (Shared)	
	: (7) SOLE DISPOSITIVE POWER	
	: None	
	: (8) SHARED DISPOSITIVE POWER	
	: 675,253,470 shares (Shared)	
<hr/>		
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		

675,253,470 shares

---

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES  
CERTAIN SHARES

---

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
6.4 %

---

(12) TYPE OF REPORTING PERSON  
IV

---

CUSIP No. 2406457

13G

---

(1) NAMES OF REPORTING PERSONS  
O. Mason Hawkins I.D. No. XXX-XX-XXXX

---

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:  
(a)  
(b) X

---

(3) SEC USE ONLY

---

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Citizen of United States

---

NUMBER OF SHARES BENEFICIALLY  
OWNED BY EACH REPORTING PERSON  
WITH

: (5) SOLE VOTING POWER  
: (Discretionary Accounts)  
: None

---

: (6) SHARED VOTING POWER

: None

---

: (7) SOLE DISPOSITIVE POWER

: None

---

: (8) SHARED DISPOSITIVE POWER

: None

---

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

None (See Item 3)

---

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES  
CERTAIN SHARES

---

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
0.0 %

---

(12) TYPE OF REPORTING PERSON  
IN

---

Item 1.

(a). Name of Issuer: CEMEX, S.A.B. de C.V. ("Issuer")

(b). Address of Issuer's Principal Executive Offices:

Avenida Ricardo Margain Zozaya #325  
Colonia Valle del Campestre  
Garza Garcia, Nuevo Leon  
Mexico 66265

Item 2.

(a). and (b). Names and Principal Business Addresses of Persons Filing

- (1) Southeastern Asset Management, Inc.  
6410 Poplar Ave., Suite 900  
Memphis, TN 38119
- (2) Longleaf Partners Fund  
c/o Southeastern Asset Management, Inc.  
6410 Poplar Ave., Suite 900  
Memphis, TN 38119
- (3) Mr. O. Mason Hawkins  
Chairman of the Board and C.E.O.  
Southeastern Asset Management, Inc.  
6410 Poplar Ave., Suite 900  
Memphis, TN 38119

(c). Citizenship:

Southeastern Asset Management, Inc. - A Tennessee corporation

Longleaf Partners Fund, a series of Longleaf Partners Funds Trust, a Massachusetts business trust

Mr. O. Mason Hawkins - U.S. Citizen

(d). Title of Class of Securities: Ordinary Participation Certificates (the "Securities").

(e). Cusip Number: 2406457

Item 3. If this statement is filed pursuant to Rules 13d-1 (b) or 13d-2 (b), check whether the person filing is a:

- (d.) Investment Company registered under Sec. 8 of the Investment Company Act - Longleaf Partners Fund, a series of Longleaf Partners Funds Trust.
- (e.) Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940. This statement is being filed by Southeastern Asset Management, Inc. as a registered investment adviser. All of the securities covered by this report are owned legally by Southeastern's investment advisory clients and none are owned directly or indirectly by Southeastern. As permitted by Rule 13d-4, the filing of this statement shall not be construed as an admission that Southeastern Asset Management, Inc. is the beneficial owner of any of the securities covered by this statement.
- (g.) Parent Holding Company. This statement is also being filed by Mr. O. Mason Hawkins, Chairman of the Board and C.E.O. of Southeastern Asset Management, Inc. in the event he could be deemed to be a controlling person of that firm as the result of his official positions with or ownership of its voting securities. The existence of such control is expressly disclaimed. Mr. Hawkins does not own directly or indirectly any securities covered by this statement for his own account. As permitted by Rule 13d-4, the filing of this statement shall not be construed as an admission that Mr. Hawkins is the beneficial owner of any of the securities covered by this statement.

Item 4. Ownership:

(a). Amount Beneficially Owned: (At 12/31/11)

1,954,579,902 shares. This amount includes 161,715,975 in shares underlying convertible bonds, 155,750,400 of which are contained in a swap.

(b). Percent of Class:

18.4 %

Above percentage is based on 10,623,717,438 shares of Ordinary Participation Certificates outstanding. The filers' holdings consist of 191,156,502 American Depository shares (each representing 10 Ordinary Participation Certificates) and 43,014,887 Ordinary Participation Certificates.

(c). Number of shares as to which such person has:

(i). sole power to vote or to direct the vote:

927,587,058 shares. This amount includes 5,965,575 in shares underlying convertible bonds.

(ii). shared or no power to vote or to direct the vote:

Shared - 817,895,470 shares. This amount includes 155,750,400 in shares underlying convertible bonds contained in a swap. Securities owned by the following series of Longleaf Partners Funds Trust, an open-end management investment company registered under the Investment Company Act of 1940, as follows:

Longleaf Partners Fund - 675,253,470 shares  
Longleaf International Fund - 142,642,000 shares

No Power to Vote - 209,097,374 shares.

(iii). sole power to dispose or to direct the disposition of:

1,136,684,432 shares. This amount includes 5,965,575 in shares underlying convertible bonds.

(iv). shared or no power to dispose or to direct the disposition of:

Shared - 817,895,470 shares. This amount includes 155,750,400 in shares underlying convertible bonds contained in a swap. Securities owned by the following series of Longleaf Partners Funds Trust, an open-end management investment company registered under the Investment Company Act of 1940, as follows:

Longleaf Partners Fund - 675,253,470 shares  
Longleaf Partners International Fund - 142,642,000

No Power - 0 shares

Item 5. Ownership of Five Percent or Less of a Class: N/A

Item 6. Ownership of More Than Five Percent on Behalf of Another Person:  
N/A

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company: N/A

Item 8. Identification and Classification of Members of the Group:  
N/A

Item 9. Notice of Dissolution of Group: N/A

Item 10. Certification:

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

purposes or effect.

Signatures

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

Dated: February 7, 2012

Southeastern Asset Management, Inc.

By /s/ Andrew R. McCarroll

---

Andrew R. McCarroll  
Vice President and General Counsel

Longleaf Partners Fund  
By: Southeastern Asset Management, Inc.

/s/ Andrew R. McCarroll

---

Andrew R. McCarroll  
Vice President and General Counsel

O. Mason Hawkins, Individually

/s/ O. Mason Hawkins

---

Joint Filing Agreement

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, the persons or entities named below agree to the joint filing on behalf of each of them of this Schedule 13G with respect to the Securities of the Issuer and further agree that this joint filing agreement be included as an exhibit to this Schedule 13G. In evidence thereof, the undersigned hereby execute this Agreement as of February 7, 2012.

Southeastern Asset Management, Inc.

By /s/ Andrew R. McCarroll

---

Andrew R. McCarroll  
Vice President and General Counsel

Longleaf Partners Fund  
By: Southeastern Asset Management, Inc.

/s/ Andrew R. McCarroll

---

Andrew R. McCarroll  
Vice President and General Counsel

O. Mason Hawkins, Individually

/s/ O. Mason Hawkins

---

1  
CMX13G9.doc  
SCHEDULE 13G - CEMEX, S.A. de C.V. ("Issuer")  
Amendment #9  
9  
CMX13G9.doc