

CEMEX SAB DE CV  
Form 6-K  
February 27, 2012

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**FORM 6-K**  
**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 or 15d-16**  
**UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of February, 2012

Commission File Number: 001-14946

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

(Translation of Registrant's name into English)

Avenida Ricardo Margáin Zozaya #325, Colonia Valle del Campestre

Garza García, Nuevo León, México 66265

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):



**Contents**

1. Press release, dated February 27, 2012, announcing exchange offers by CEMEX, S.A.B. de C.V. (NYSE:CX).

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, CEMEX, S.A.B. de C.V. has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

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

(Registrant)

Date: February 27, 2012

By: /s/ Rafael Garza

Name: Rafael Garza

Title: Chief Comptroller

**EXHIBIT INDEX**

| EXHIBIT NO. | DESCRIPTION  |
|-------------|--|
| 1.          | Press release, dated February 27, 2012, announcing exchange offers by CEMEX, S.A.B. de C.V. (NYSE:CX). |