
**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 September, 2016

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
San Pedro Garza García, Nuevo León, México 66265
(Address of principal executive offices)

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 of CEMEX, S.A.B. de C.V. (NYSE:CX), dated September 12, 2016, announcing that it has signed a definitive agreement for the sale of its Fairborn cement plant in the U.S.

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: September 12, 2016

By: /s/ Rafael Garza

Name: Rafael Garza

Title: Chief Comptroller

EXHIBIT INDEX

EXHIBIT
NO.

DESCRIPTION

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Media Relations
Jorge Pérez
+52(81) 8888-4334
mr@cemex.com

Investor Relations
Eduardo Rendón
+52(81) 8888-4256
ir@cemex.com

Analyst Relations
Lucy Rodríguez
+1(212) 317-6007
ir@cemex.com



**CEMEX ANNOUNCES DIVESTMENT
OF ITS FAIRBORN CEMENT PLANT IN THE U.S.**

MONTERREY, MEXICO. SEPTEMBER 12, 2016. – CEMEX, S.A.B. de C.V. (“CEMEX”) (NYSE: CX) announced today that one of its subsidiaries in the U.S. has signed a definitive agreement for the sale of its Fairborn, Ohio cement plant and cement terminal in Columbus, Ohio to Eagle Materials Inc. for approximately U.S.\$400 million. 2016 EBITDA for the divested assets is estimated to be U.S.\$33 million.

The proceeds obtained from this transaction will be used mainly for debt reduction and for general corporate purposes.

The closing of this transaction is subject to the satisfaction of certain conditions, including approval from regulators. We currently expect to finalize this divestiture during the fourth quarter of 2016 or soon thereafter.

Bank of America Merrill Lynch is acting as financial advisor to CEMEX in this transaction.

CEMEX is a global building materials company that provides high quality products and reliable service to customers and communities in more than 50 countries. Celebrating its 110th anniversary, CEMEX has a rich history of improving the well-being of those it serves through innovative building solutions, efficiency advancements, and efforts to promote a sustainable future.

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This press release contains forward-looking statements and information that are necessarily subject to risks, uncertainties and assumptions. Many factors could cause the actual results, performance or achievements of CEMEX to be materially different from those expressed or implied in this release, including, among others, not satisfying the conditions to sell the above described assets, changes in general economic, political, governmental and business conditions globally and in the countries in which CEMEX does business, changes in interest rates, changes in inflation rates, changes in exchange rates, the level of construction generally, changes in cement demand and prices, changes in raw material and energy prices, changes in business strategy and various other factors. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described herein. CEMEX assumes no obligation to update or correct the information contained in this press release.