



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549-4631

Mail Stop 4631

September 1, 2009

Mr. Hector Medina
Executive VP of Planning and Finance
CEMEX, S.A.B. de C.V.
Av. Ricardo Margain Zozaya #325
Colonia Valle del Campestre
Garza Garcia, Nuevo Leon, Mexico 66265

RE: Form 20-F for the year ended December 31, 2008
File No. 1-14946

Dear Mr. Medina:

We have completed our review of your Form 20-F and related filings and have no further comments at this time.

If you have any further questions regarding our review of your filings, please direct them to Jeffrey Gordon, Staff Accountant, at (202) 551-3866 or, in his absence, Jeanne Baker, Assistant Chief Accountant, at (202) 551-3691.

Sincerely,

Rufus Decker
Accounting Branch Chief