FORM 6 - K

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Report of Foreign Private Issuer Pursuant to Rule 13a - 16 or 15d - 16 of the Securities Exchange Act of 1934

As 8/17/2011

Ternium S.A. (Translation of Registrant's name into English)

Ternium S.A.
29 Avenue de la Porte-Neuve
L-2227 Luxembourg
(352) 2668-3152
(Address of principal executive offices)

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

Form 20-F ü Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12G3-2(b) under the Securities Exchange Act of 1934.

Yes No ü

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

Not applicable

The attached material is being furnished to the Securities and Exchange Commission pursuant to Rule 13a-16 and Form 6-K under the Securities Exchange Act of 1934, as amended.

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This report contains Ternium S.A.'s press release titled "Siderar to Pay Dividend on September 7, 2011".

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

TERNIUM S.A.

By: /s/ Raul Darderes Name: Raul Darderes

Title: Secretary of the Board of Directors

Dated: August 17, 2011

Sebastián Martí Ternium - Investor Relations +1 (866) 890 0443 +54 (11) 4018 2389 www.ternium.com

Siderar to Pay Dividend on September 7, 2011

Luxembourg, August 17, 2011 – Following up on its July 25, 2011 press release, Ternium S.A. (NYSE: TX) informs that, after the withdrawal of a preliminary injunction previously issued by an Argentine court, its Argentine majority-owned subsidiary Siderar S.A.I.C will pay on September 7, 2011, its ARS1.5 billion (or USD362 million) dividend out of results for fiscal year 2010.

Forward Looking Statements

Some of the statements contained in this press release are "forward-looking statements". Forward-looking statements are based on management's current views and assumptions and involve known and unknown risks that could cause actual results, performance or events to differ materially from those expressed or implied by those statements. These risks include but are not limited to risks arising from uncertainties as to gross domestic product, related market demand, global production capacity, tariffs, cyclicality in the industries that purchase steel products and other factors beyond Ternium's control.

About Ternium

Ternium is a leading steel company in Latin America, manufacturing and processing a wide range of flat and long steel products for customers active in the construction, home appliances, capital goods, container, food, energy and automotive industries. With its principal operations in México and Argentina, Ternium serves markets in the Americas through its integrated manufacturing system and extensive distribution network. The Company has an annual production capacity of approximately ten million tons of finished steel products. More information about Ternium is available at www.ternium.com.