

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No.)*

US STEEL LLC

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

912909108

(CUSIP Number)

December 31, 2010

(Date of Event which Requires Filing of Statement)

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

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 disclosures provided in a prior cover page.

The information required on the remainder of this 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))

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1 Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person

T. ROWE PRICE ASSOCIATES, INC.
52-0556948

2 Check the Appropriate Box if a Member of a Group*

NOT APPLICABLE

(a) _____
(b) _____

3 SEC Use Only

4 Citizenship or Place of Organization

MARYLAND

Number of 5 Sole Voting Power

**

Shares 1,901,353

Beneficially 6 Shared Voting Power

**

Owned By Each -0-

Reporting 7 Sole Dispositive Power

**

Person 8,162,661

With 8 Shared Dispositive Power

(2) below):

(a) Amount				
Beneficially				
Owned	6,886,460	1,276,201	8,162,661	
(b) Percent of				
Class				5.6%
(c) Number of				
units as				
to which				
such				
person has: . . .				
(i) *sole power				
to vote or				
to direct				
the vote . . .	1,748,256	153,097	1,901,353	
(ii) *shared power				
to vote or				
to direct				
the vote . . .	-0-	-0-	-0-	
(iii) *sole power				
to dispose or				
to direct the				
disposition				
of	6,886,460	1,276,201	8,162,661	
(iv) *shared power				
to dispose or				
to direct the				
disposition				
of	-0-	-0-	-0-	

Item 5 Ownership of Five Percent or Less of a Class.

X Not Applicable.

This statement is being filed to report the fact that, as of the date of this report, the reporting person(s) has (have) ceased to be the beneficial owner of more than five percent of the class of securities.

Item 6 Ownership of More than Five Percent on Behalf of Another Person

(1) Price Associates does not serve as custodian of the assets of any of its clients; accordingly, in each instance only the client or the client's custodian or trustee bank has the right to receive dividends paid with respect to, and proceeds from the sale of, such securities.

The ultimate power to direct the receipt of dividends paid with respect to, and the proceeds from the sale of, such securities, is vested in the individual and institutional clients which Price Associates serves as investment adviser. Any and all discretionary authority which has been delegated to Price Associates may be revoked in whole or in part at any time.

Except as may be indicated if this is a joint filing with one of the registered investment companies sponsored by Price Associates which it also serves as investment adviser ("T. Rowe Price Funds"), not more than 5% of the class of such securities is owned by any one client subject to the investment advice of Price Associates.

(2) With respect to securities owned by any one of the T. Rowe Price Funds, only State Street Bank and Trust Company, as custodian for each of such Funds, has the right to receive dividends paid with respect to, and proceeds from the sale of, such securities. No other person is known to have such right, except that the shareholders of each such Fund participate proportionately in any dividends and distributions so paid.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent

