UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of

the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): May 31, 2005

ALTERA CORPORATION

(Exact name of registrant as specified in its charter)

Delaware (State or Other Jurisdiction 0-16617 (Commission File Number) 77-0016691 (IRS Employer

of Incorporation)

Identification No.)

101 Innovation Drive, San Jose, California (Address of principal executive offices) 95134 (Zip Code)

Registrant s telephone number, including area code: (408) 544-7000

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Not Applicable

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01 Regulation FD Disclosure.

On May 31, 2005, Altera Corporation posted on its website a business update for the second quarter. A copy of the business update is furnished as Exhibit 99.1 to this report.

Item 9.01. Financial Statements and Exhibits.

- (c) Exhibits
 - 99.1 Business Update dated May 31, 2005

SIGNATURES

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 hereunto duly authorized.

ALTERA CORPORATION

/s/ Nathan Sarkisian

Nathan Sarkisian

Senior Vice President, and Chief Financial Officer

Date: May 31, 2005

EXHIBIT INDEX

Exhibit No. Description

99.1 Business Update dated May 31, 2005