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) April 27, 2005

GREATER BAY BANCORP

(Exact name of registrant as specified in its charter)

California (State or other jurisdiction 0-25034 (Commission File Number) 77-0387041 (IRS Employer

of incorporation)

Identification No.)

1900 University Avenue, 6th Floor

East Palo Alto, CA (Address of principal executive offices) 94303 (Zip Code)

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Registrant s telephone number, including area code: (650) 813-8200

N/A

(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 2.02 Results of Operation and Financial Condition.

On April 27, 2005, Greater Bay Bancorp (the Registrant) issued a press release regarding its results of operations and financial condition for the period ended March 31, 2005. The text of the press release is included as Exhibit 99.1 to this report. The information included in the press release is considered to be filed under the Securities Exchange Act of 1934.

Item 9.01 Financial Statements and Exhibits.

List below the financial statements, pro forma financial information and exhibits, if any, filed as a part of this report.

(a) Financial statements of businesses acquired.

(b) Pro forma financial information.

(c) Exhibits.

Exhibit No. Description of Exhibit

99.1 Press Release dated April 27, 2005, deemed filed under the Securities Exchange Act of 1934.

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.

Date: April 27, 2005

Greater Bay Bancorp (Registrant)

By: /s/ James S. Westfall

James S. Westfall

Executive Vice President and

Chief Financial Officer

EXHIBIT INDEX

Exhibit No. Description of Exhibit

99.1

Press Release dated April 27, 2005, deemed filed under the Securities Exchange

Act of 1934.