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: September 25, 2003

(Date of earliest event reported)

RIVERSTONE NETWORKS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction

0-32269 (Commission 95-4596178 (IRS Employer

of incorporation)

File Number)

Identification No.)

5200 Great America Parkway, Santa Clara, California 95054

(Address of principal executive offices) (Zip Code)

Registrant s telephone number, including area code: (408) 878-6500

Item 12. Results of Operations and Financial Condition

The information in this Current Report is being furnished and shall not be deemed filed for the purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liabilities of that Section. The information in this Current Report shall not be incorporated by reference into any registration statement or other document filed pursuant to the Securities Act of 1933, except as shall be expressly set forth by specific reference in such a filing.

On September 25, 2003, Riverstone Networks, Inc. issued a press release announcing its financial results for the quarter ended August 30, 2003. A copy of the earnings release is furnished herewith as Exhibit 99.1.

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 hereunto duly authorized.

Dated: September 25, 2003

RIVERSTONE NETWORKS, INC.

By /s/ Robert Stanton

Name: Robert Stanton
Title: Executive Vice President of

Finance and Chief Financial Officer

EXHIBIT INDEX

Exhibit	
Number	Description

99.1

Press release dated September 25, 2003.