

Item 2.02 Results of Operations and Financial Condition.

On October 31, 2012 the Company issued a press release reporting the financial results of the Company for the quarter ended September 30, 2012. A copy of the press release is attached to this report as Exhibit 99.1 and incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits. The following exhibit is being furnished pursuant to Item 601 of Regulation S-K and General Instruction B2 to this Form 8-K:

| Exhibit No. | Description |
|-------------|---------------------------------------|
| 99.1 | Press release dated October 31, 2012. |

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 thereunto duly authorized.

RTI INTERNATIONAL METALS, INC.

Date: October 31, 2012 By: /s/ William T. Hull

William T. Hull,

Senior Vice President and Chief Financial Officer

(principal accounting officer)