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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): June 3, 2010

**ITT CORPORATION**

(Exact name of registrant as specified in its charter)

Indiana  
(State or other jurisdiction  
of incorporation)

1-5672  
(Commission  
File Number)

13-5158950  
(I.R.S. Employer  
Identification No.)

1133 Westchester Avenue  
White Plains, New York  
(Address of principal  
executive offices)

10604  
(Zip Code)

Registrant's telephone number, including area code: (914) 641-2000

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 (See General Instruction A.2. below):

- 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))

Not Applicable  
(Former name or former address, if changed since last report)

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**Item 8.01 Other Events.**

Donald E. Foley, Senior Vice President and Treasurer, has resigned as an officer of ITT Corporation (the “Company”) to accept another position. Mr. Foley’s resignation was effective June 3, 2010.

Denise L. Ramos, Senior Vice President and Chief Financial Officer, will lead the Treasury function and act as Treasurer of the Company on an interim basis until a permanent replacement is named. Ms. Ramos assumed these additional responsibilities effective June 3, 2010.

**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.

ITT CORPORATION

By: /s/ Burt M. Fealing

Burt M. Fealing

Its: Vice President and Corporate Secretary (Authorized  
Officer of Registrant)

Date: June 4, 2010