

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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hours per response: 0.5Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Fealing Burt M</u> (Last) (First) (Middle) <u>1133 WESTCHESTER AVENUE</u> (Street) <u>WHITE PLAINS NY 10604</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>10/31/2011</u>	3. Issuer Name and Ticker or Trading Symbol <u>ITT Corp [ITT]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>SVP, General Counsel and Sec'y</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>1,836</u>	<u>D</u>	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Employee Stock Option (Right to Buy)</u>	<u>(1)</u>	<u>03/05/2020</u>	<u>Common Stock</u>	<u>2,975</u>	<u>53.49</u>	<u>D</u>
<u>Employee Stock Option (Right to Buy)</u>	<u>(2)</u>	<u>03/03/2021</u>	<u>Common Stock</u>	<u>3,940</u>	<u>57.68</u>	<u>D</u>

Explanation of Responses:

1. 2,975 options were awarded on March 5, 2010, 992 are vested and exercisable and the remainder will vest in one-third cumulative installments on the second and third anniversaries of the date of grant. These options were awarded under the ITT Corporation 2003 Equity Incentive Plan.

2. Options were awarded on March 3, 2011 under the ITT Corporation 2003 Equity Incentive Plan. Options will become exercisable in one-third cumulative installments on the first, second and third anniversaries of the date of grant.

Remarks:

Share numbers listed do not reflect the one-for-two reverse stock split effective after market close on October 31, 2011.

/s/ Burt M. Fealing11/04/2011

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.