

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>AYERS ROBERT L</u> (Last) (First) (Middle) 4 WEST RED OAK LANE (Street) WHITE PLAINS NY 10604 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ITT INDUSTRIES INC [ITT]</u>	5. 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>Senior Vice President</u>
	3. Date of Earliest Transaction (Month/Day/Year) 08/03/2005	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/03/2005		M		12,500	A	\$33.31	22,282	D	
Common Stock	08/03/2005		M		25,000	A	\$36.88	47,282	D	
Common Stock	08/03/2005		M		12,500	A	\$50.65	59,782	D	
Common Stock	08/03/2005		S		36,000	D	\$108	23,782	D	
Common Stock	08/03/2005		S		11,400	D	\$107.56	12,382	D	
Common Stock	08/03/2005		S		2,600	D	\$107.77	9,782 ⁽¹⁾	D	

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (Right to Buy)	\$33.31	08/03/2005		M			12,500	(2)	01/05/2010	Common Stock	12,500	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$36.88	08/03/2005		M			25,000	(3)	01/04/2011	Common Stock	25,000	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$50.65	08/03/2005		M			12,500	(4)	01/04/2012	Common Stock	12,500	\$0.00	12,500	D	

Explanation of Responses:

- Mr. Ayers owns 9,782 shares directly and 3833.87 shares acquired under the ITT Industries Investment and Savings Plan reflecting accumulations as of August 3, 2005, held indirectly in a trust.
- Options granted under the 1994 ITT Industries, Inc. Incentive Stock Plan. Options exercisable upon 25% appreciation in stock price over option exercise price or 1/3 annual installments on the first, second and third anniversary of the date of grant. Options under this award became fully exercisable on 4/30/2001.
- Options granted under the 1994 ITT Industries, Inc. Incentive Stock Plan. Options exercisable upon 25% appreciation in stock price over option exercise price or 1/3 annual installments on the first, second and third anniversary of the date of grant. Options under this award became fully exercisable on 05/31/2001.
- Options granted under the 1994 ITT Industries, Inc. Incentive Stock Plan. Options exercisable upon 25% appreciation in stock price over option exercise price or 1/3 annual installments on the first, second and third anniversary of the date of grant. Options under this award became fully exercisable on 4/18/2002.

Remarks:

/s/Kathleen S. Stolar, Secretary
of ITT Industries, Inc. by
power of attorney granted by 08/04/2005
Robert L. Ayers

** Signature of Reporting Person Date

* If the form is filed by more than one reporting person, see Instruction 4 (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.