

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
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person * <u>Van Loan David</u> (Last) (First) (Middle) <u>C/O DOVER CORPORATION</u> <u>280 PARK AVENUE</u> (Street) <u>NEW YORK NY 10017</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>DOVER CORP [DOV]</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>Vice President</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>04/30/2010</u>	
		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	04/30/2010		M		14,422	A	\$41	27,298	D	
Common Stock	04/30/2010		M		15,561	A	\$38	42,859	D	
Common Stock	04/30/2010		M		24,135	A	\$24.5	66,994	D	
Common Stock	04/30/2010		S		20,034	D	\$52.38	46,960	D	
Common Stock	04/30/2010		S		4,219	D	\$52.45	42,741	D	
Common Stock	04/30/2010		S		504	D	\$52.46	42,237	D	
Common Stock	04/30/2010		S		404	D	\$52.47	41,833	D	
Common Stock	04/30/2010		S		100	D	\$52.48	41,733	D	
Common Stock	04/30/2010		S		1,800	D	\$52.49	39,933	D	
Common Stock	04/30/2010		S		100	D	\$52.5	39,833	D	
Common Stock	04/30/2010		S		4	D	\$52.53	39,829	D	
Common Stock	04/30/2010		S		100	D	\$52.55	39,729	D	
Common Stock	04/30/2010		S		2,000	D	\$52.56	37,729	D	
Common Stock	04/30/2010		S		500	D	\$52.6	37,229	D	
Common Stock	04/30/2010		S		3,000	D	\$52.62	34,229	D	
Common Stock	04/30/2010		S		1,000	D	\$52.63	33,229	D	
Common Stock	04/30/2010		S		500	D	\$52.65	32,729	D	
Common Stock	04/30/2010		S		200	D	\$52.67	32,529	D	
Common Stock	04/30/2010		S		200	D	\$52.7	32,329	D	
Common Stock	04/30/2010		S		3,800	D	\$52.71	28,529	D	
Common Stock	04/30/2010		S		500	D	\$52.72	28,029	D	
Common Stock	04/30/2010		S		1,800	D	\$52.73	26,229	D	
Common Stock	04/30/2010		S		3,300	D	\$52.74	22,929	D	
Common Stock	04/30/2010		S		300	D	\$52.8	22,629	D	
Common Stock	04/30/2010		S		100	D	\$52.81	22,529	D	
Common Stock	04/30/2010		S		500	D	\$52.82	22,029	D	
Common Stock	04/30/2010		S		700	D	\$52.83	21,329	D	
Common Stock	04/30/2010		S		2,300	D	\$52.85	19,029	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)	Table of Derivative Securities (e.g., Dis Calls)	4. Transaction Code (Instr. 8)	5. Number of Securities Acquired (A) or Disposed (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of 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)			
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 Securities Acquired (A) or Disposed (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of 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	Amount or Number of Shares				
Employee stock option (right to buy)	\$41	04/30/2010		M	V	(A) 14,422	02/08/2004	02/08/2011	Common Stock	14,422	\$0	0	D	
Employee stock option (right to buy)	\$38	04/30/2010		M		15,561	02/14/2005	02/14/2012	Common Stock	15,561	\$0	0	D	
Employee stock option (right to buy)	\$24.5	04/30/2010		M		24,135	02/13/2006	02/13/2013	Common Stock	24,135	\$0	0	D	

Explanation of Responses:

Remarks:

/s/David Van Loan

05/04/2010

** 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 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.