

**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>NORTHROP GRUMMAN CORP /DE/</u>			2. Issuer Name and Ticker or Trading Symbol <u>ENDWAVE CORP [ ENWV ]</u>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) <input type="checkbox"/> Other (specify below) <input type="checkbox"/>	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>08/18/2005</u>			
1840 CENTURY PARK EAST			4. 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 <input type="checkbox"/> Form filed by More than One Reporting Person	
(Street)	LOS ANGELES CA 90067					
(City)	(State)	(Zip)				

**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 <sup>(1)</sup>	08/18/2005		S		9,324	D	\$29.75	1,970,988	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		100	D	\$29.76	1,970,888	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		100	D	\$29.77	1,970,788	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		9,500	D	\$29.79	1,961,288	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		600	D	\$29.8	1,960,688	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		300	D	\$29.81	1,960,388	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		1,000	D	\$29.82	1,959,388	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		3,300	D	\$29.83	1,956,088	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		200	D	\$29.84	1,955,888	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		3,381	D	\$29.85	1,952,507	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		400	D	\$29.87	1,952,107	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		959	D	\$30	1,951,148	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		719	D	\$30.01	1,950,429	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		200	D	\$30.02	1,950,229	D	
Common Stock <sup>(1)</sup>	08/18/2005		S		200	D	\$30.84	1,950,029	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)	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					

1. Name and Address of Reporting Person* <u>NORTHROP GRUMMAN CORP /DE/</u>		
(Last)	(First)	(Middle)
1840 CENTURY PARK EAST		
(Street)		
LOS ANGELES	CA	90067
(City)	(State)	(Zip)

(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
<u>NORTHROP GRUMMAN SPACE &amp; MISSION SYSTEMS CORP</u>		
(Last)	(First)	(Middle)
1840 CENTURY PARK EAST		
(Street)		
LOS ANGELES	CA	90067
(City)	(State)	(Zip)

**Explanation of Responses:**

1. Par value \$0.001 per share.

John H. Mullan, Corporate      08/19/2005  
Vice President and Secretary

\*\* 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.**

Form 4 Joint Filer Information

Name: Northrop Grumman Space & Mission Systems Corp., an Ohio corporation  
Address: 1840 Century Park East  
Los Angeles, CA 90067  
Designated Filer: Northrop Grumman Corporation  
Issuer & Ticker Symbol: NOC  
Date of Event  
Requiring Statement: 08/18/2005  
Signature:  
By: /s/ Kathleen M. Salmas  
Kathleen M. Salmas  
Secretary