#### WHITMAN LINDA HALL

Form 4 May 10, 2006

## FORM 4

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

**OMB APPROVAL** 

response...

if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * WHITMAN LINDA HALL			2. Issuer Name <b>and</b> Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	MTS SYSTEMS CORP [MTSC]  3. Date of Earliest Transaction	(Check all applicable)		
14000 TECHNOLOGY DRIVE			(Month/Day/Year) 05/08/2006	_X_ Director 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
EDEN PRAIRIE, MN 55344				Form filed by More than One Reporting Person		

(City)	(State) (	Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)		Securities For Beneficially (D) Owned Inc.	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	Transaction(s) (Instr. 3 and 4)		
Common Stock	05/08/2006		M	1,000 (1)	A	\$ 11.45	9,320	D	
Common Stock	05/08/2006		S	300	D	\$ 47.69	9,020	D	
Common Stock	05/08/2006		S	200	D	\$ 47.66	8,820	D	
Common Stock	05/08/2006		S	100	D	\$ 47.54	8,720	D	
Common Stock	05/08/2006		S	400	D	\$ 47.51	8,320	D	

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

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 control number.

SEC 1474 (9-02)

D

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4. 5. Number		6. Date Exercisable and		7. Title and Amount of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onof Derivative	Expiration Date		Underlying Securities	
Security	or Exercise		any	Code	Securities	(Month/Day/Y	rear)	(Instr. 3 and	4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired				
	Derivative				(A) or				
	Security				Disposed of				
					(D)				
				(Instr. 3, 4,					
					and 5)				
						Date	Expiration		Amount or
						Exercisable	Date	Title	Number
				Code V	(A) (D)				of Charas
				Code V	(A) (D)				Shares
Director									
Stock								~	
Option -	\$ 11.45	05/08/2006		M	1 000	08/12/2003	02/12/2008	Common	4,000
Right To		03/00/2000		111	1,000	00/12/2003	02/12/2000	Stock	1,000
•									
Buy									

# **Reporting Owners**

Reporting Owner Name / Address	Relationships					
Transfer de la companya de la compan	Director	10% Owner	Officer	Other		
WHITMAN LINDA HALL						
14000 TECHNOLOGY DRIVE	X					
EDEN PRAIRIE, MN 55344						

## **Signatures**

Linda Hall Whitman by Barbara J. Carpenter POA 05/10/2006

\*\*Signature of Reporting Person Date

### **Explanation of Responses:**

- \* 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).
- Options exercised and shares sold were effected pursuant to a Rule 10b5-1 Trading Plan adopted by the reporting person on December 2, 2005

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2