

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>Shields Brian</u>  (Last) (First) (Middle) <u>8000 S FEDERAL WAY</u> <u>MS 1-557</u>  (Street) <u>BOISE</u> <u>ID</u> <u>83707</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MICRON TECHNOLOGY INC [ MU ]</u>  3. Date of Earliest Transaction (Month/Day/Year) <u>09/11/2010</u>  4. If Amendment, Date of Original Filed (Month/Day/Year)	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>VP World Wide Wafer Fab</u>  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 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	09/11/2010		M		250	A	\$0 <sup>(1)</sup>	250	I	Held by Spouse <sup>(3)</sup>
Common Stock	09/11/2010		F		102	D	\$6.51 <sup>(2)</sup>	444	I	Held by Spouse <sup>(3)</sup>
Common Stock								319,546	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	Amount or Number of Shares				
Restricted Stock Unit	\$0 <sup>(1)</sup>	09/11/2010		M			250	09/11/2010	09/11/2010	Common Stock	250	\$0	250	I	Held by Spouse <sup>(3)</sup>
Non-Qualified Stock Option	\$10.13	01/18/2010		J		15,000		01/18/2011 <sup>(4)</sup>	01/18/2016	Common Stock	15,000	\$10.13	15,000	I	Held by Spouse <sup>(3)</sup>

Explanation of Responses:

1. Not Applicable - grant of restricted stock units
2. Withholding of shares of common stock to satisfy tax withholding obligations in connection with the vesting of restricted stock awarded under the Issuer's 2004 Equity Incentive Plan.
3. Indirect holdings by spouse as a result of marriage effective May 9, 2008.
4. Stock Options vest in 25% increments annually on anniversary date of grant.

Remarks:

Katie Reid, Attorney-in-fact 09/11/2010  
\*\* 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.