

ENTEGRIS INC  
Form 4  
December 21, 2011

**FORM 4**

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

OMB APPROVAL

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
GMT CAPITAL CORP

(Last) (First) (Middle)

2300 WINDY RIDGE PARKWAY  
SUITE 550 SOUTH

(Street)

ATLANTA, GA 30339

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
ENTEGRIS INC [ENTG]

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/19/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_X\_\_\_ 10% Owner  
\_\_\_ Officer (give title below) \_\_\_ Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_X\_ 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 Ownership (Instr. 4)
			Code	V	Amount (D) Price		
Common Stock	12/19/2011		P		85,400 (1) (2) (3) A \$ 13,964,300 8.4 (5) D		

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)

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

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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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Benef Own Follo Repor Trans (Instr
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Code V (A) (D)				

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GMT CAPITAL CORP 2300 WINDY RIDGE PARKWAY SUITE 550 SOUTH ATLANTA, GA 30339		X		

## Signatures

George E. Case, 12/21/2011  
III

\*\*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).

(1) This Form 4 is being jointly filed by Bay Resource Partners, L.P., a Delaware limited partnership (Bay), Bay II Resource Partners, L.P., a Delaware limited partnership (Bay II), Bay Resource Partners Offshore Master Fund, L.P., an exempted limited partnership organized under the laws of the Cayman Islands (Offshore Fund), GMT Exploration Company LLC, a Delaware limited liability company (GMT Exploration), GMT Capital Corp., a Georgia corporation (GMT Capital), and Thomas E. Clausus, a United States citizen (Clausus). The foregoing persons are hereinafter sometimes collectively referred to as the Reporting Persons.

(2) GMT Capital, the general partner of Bay and Bay II, has the power to direct the affairs of Bay and Bay II, including the voting and disposition of shares. As the discretionary investment manager of the Offshore Fund and certain other accounts, GMT Capital has power to direct the voting and disposition of shares held by the Offshore Fund and such accounts. Mr. Clausus is the President of GMT Capital and in that capacity directs the operations of each of Bay and Bay II and the voting and disposition of shares held by the Offshore Fund and separate client accounts managed by GMT Capital. Mr. Clausus is the Chief Executive Officer of GMT Exploration and as such has the power to direct the affairs of GMT Exploration, including the voting and disposition of shares.

(3) GMT Capital and Mr. Clausus may be deemed to beneficially own indirect pecuniary interest as the result of performance-based fees and profit allocations. Each of GMT Capital and Mr. Clausus disclaims such beneficial ownership except to the extent ultimately realized.

(4) The aggregate number of shares of common stock purchased was 85,400 shares and such shares were purchased by the Reporting Persons in the following amounts: Bay = 13,000 shares; Bay II = 16,500 shares; Offshore Fund = 50,000 shares; GMT Capital = 3,100 shares; Clausus = 2,800 shares.

(5) 13,964,300 shares of common stock is the aggregate number of shares of common stock owned by the Reporting Persons and is owned as follows: Bay = 1,723,100 shares directly owned by it; Bay II = 3,992,400 shares directly owned by it; Offshore Fund = 7,335,000 shares

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directly owned by it; GMT Exploration = 28,400 shares directly owned by it; GMT Capital = 497,300 shares of common stock beneficially owned by it with respect to separate client accounts managed by it; Claugus = 388,100 shares directly owned by him.

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.