

GRIFFITHS PHILLIP A  
 Form 4  
 July 27, 2010

**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 \*  
**GRIFFITHS PHILLIP A**

(Last) (First) (Middle)

**C/O GSI GROUP INC., 125  
 MIDDLESEX TURNPIKE**

(Street)

**BEDFORD, MA 01730-1409**

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**GSI GROUP INC [LASR.PK]**

3. Date of Earliest Transaction  
 (Month/Day/Year)  
**07/23/2010**

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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)
				(A) or (D)	Price		
Common Stock	07/23/2010		J <sup>(1)</sup>	17,962 D	\$ 0 0	D	
Common Stock	07/23/2010		A <sup>(2)</sup>	30,458 A	\$ 0 30,458	D	

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

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SEC 1474 (9-02)

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**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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GRIFFITHS PHILLIP A C/O GSI GROUP INC. 125 MIDDLESEX TURNPIKE BEDFORD, MA 01730-1409		X		

## Signatures

Phillip A. Griffiths by Anthony J. Bellantuoni,  
Attorney-in-Fact

07/27/2010

\_\_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).
- On July 23, 2010 (the "Effective Date"), the Final Fourth Modified Joint Chapter 11 Plan of Reorganization for MES International Inc. ("MES"), GSI Group Inc. (the "Company") and GSI Group Corporation ("GSI" and, collectively with MES and the Company, the "Debtors"), as confirmed by the United State Bankruptcy Court for the District of Delaware on May 27, 2010 (the "Plan"), became
- (1) effective and the Debtors emerged from Chapter 11 protection. In connection with the Plan, (i) all common shares and vested share rights of the Company that were outstanding prior to the Effective Date (collectively, the "Old Common Shares") were cancelled and (ii) new common shares of the Company, as reorganized ("New Common Shares"), were issued to holders of such Old Common Shares under the Final Plan on a one-for-one basis, subject to a 6.165% escrow as contemplated in the Plan.
  - (2) Includes 13,603 New Common Shares issued in exchange for certain vested share rights of the Company and 16,855 New Common Shares issued in exchange for Old Common Shares held by the Reporting Person.

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.