GSI GROUP INC Form SC 13D/A March 03, 2010

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

SCHEDULE 13D/A Under the Securities Exchange Act of 1934

Amendment No. 1

GSI Group Inc.

(Name of Issuer)

Common Stock, no par value

(Title of Class of Securities)

36229U102

(CUSIP Number)

Stephanie S. Chen
c/o Tinicum Lantern II L.L.C.
800 Third Avenue, 40th Floor
New York, NY 10022
212-446-9300

(Name, Address and Telephone Number of Person Authorized to Receive Notices and

Communications)

February 26, 2010

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box [].

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

(Continued on following pages)
 (Page 1 of 7 Pages)

^{*} The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 36	5229U102	SCHEDULE 13D/A	Page 2 of 7 Pages	
1	NAME OF RE	PORTING PERSON		
	Tinicum Capital Partners II, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) _ (b) X			
3	SEC USE ON			
4	SOURCE OF FUNDS			
	WC, 00			
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) _			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
NUMBER OF	7	SOLE VOTING POWER		
SHARES		0		
BENEFICIALLY	8	SHARED VOTING POWER		
OWNED		418,464		
BY EACH	9	SOLE DISPOSITIVE POWER		
REPORTING		0		
PERSON	10	SHARED DISPOSITIVE POWER		
		418,464		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	418,464			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES _			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11			
	0.8% (see	Item 4)		
14	TYPE OF REPORTING PERSON PN			

CUSIP No. 36	229U102	SCHEDULE 13D/A	Page 3 of 7 Pages	
1	NAME OF R	EPORTING PERSON		
	Tinicum Lantern II L.L.C.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) _ (b) X			
3	SEC USE ONLY			
4	SOURCE OF FUNDS			
	AF			
5	TO ITEMS 2(d) or 2(e) _			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
NUMBER OF		SOLE VOTING POWER		
SHARES		0		
BENEFICIALLY	8			
OWNED		418,464		
BY EACH	9	SOLE DISPOSITIVE POWER		
REPORTING		0		
PERSON	10	SHARED DISPOSITIVE POWER		
		418,464		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSO			
	418,464			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES _			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11			
	0.8% (see	Item 4)		
14	TYPE OF REPORTING PERSON OO			

CUSIP No. 36	3229U102	SCHEDULE 13D/A	Page 4 of 7 Pages	
1	NAME OF F	REPORTING PERSON		
	Terence M. O'Toole			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) _ (b) X			
3	SEC USE ONLY			
4	SOURCE OF FUNDS			
	AF			
5	TO ITEMS 2(d) or 2(e) _			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
	United States			
		SOLE VOTING POWER		
SHARES		0		
BENEFICIALLY	8	SHARED VOTING POWER		
OWNED		418,464		
BY EACH	9	SOLE DISPOSITIVE POWER		
REPORTING		0		
PERSON	10	SHARED DISPOSITIVE POWER		
		418,464		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERS			
	418,464			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES _			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11			
	0.8% (see	e Item 4)		
14	TYPE OF REPORTING PERSON IN			

CUSIP No.	36229U102		Page 5 of 7 Pages		
1	NAME OF RE	PORTING PERSON			
	Eric M. Ru	attenberg			
2	CHECK THE	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) _ (b) X			
3	SEC USE ON	SEC USE ONLY			
4	SOURCE OF	SOURCE OF FUNDS			
	AF				
5		CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) _			
6	6 CITIZENSHIP OR PLACE OF ORGANIZATION				
	United Sta	United States			
NUMBER OF	7	SOLE VOTING POWER			
SHARES		0			
BENEFICIALI	Y 8	SHARED VOTING POWER			
OWNED		418,464			
BY EACH	9	SOLE DISPOSITIVE POWER			
REPORTING		0			
PERSON	10	SHARED DISPOSITIVE POWER			
		418,464			
11	AGGREGATE	AMOUNT BENEFICIALLY OWNED B	Y EACH REPORTING PERSON		
	418,464				
12		CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES _			
13	PERCENT OF	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11			
	0.8% (see				
14	TYPE OF RE	TYPE OF REPORTING PERSON IN			

			-			
CUSIP No.	36229U102	SCHEDULE	13D/A	Page 6	of 7	Pages
			_			

ITEM 1. SECURITY AND ISSUER

This Amendment No. 1 (the "Amendment") amends the statement on Schedule 13D filed on January 13, 2010 (the "Original Schedule 13D", as amended, the "Schedule 13D") with respect to the common stock, no par value (the "Shares"), of GSI Group Inc., a company continued and existing under the laws of the Province of New Brunswick, Canada (the "Issuer"). Capitalized terms used herein and not otherwise defined in this Amendment have the meanings set forth in the Original Schedule 13D. This Amendment amends Item 4 as set forth below.

Item 4 of the Schedule 13D is hereby amended and supplemented by the addition of the following:

As previously disclosed, the Reporting Persons continue to have discussions with the Issuer and other shareholders regarding the Reporting Persons' investment and implementation of the Plan. In furtherance of this, the Reporting Persons have entered into discussions with the Issuer and members of the Equity Committee regarding the Plan and possible modifications to the Plan, including, without limitation, exchanging the Notes for any combination of one or more of the following: new secured debt, notes convertible into common stock of the reorganized issues, preferred stock convertible into common stock of the reorganized issues, common stock of the reorganized issues, common stock of the reorganized issues and/or cash. The Reporting Persons are unsure about the ultimate outcome of such discussions or the timing of coming to agreement.

CUSIP No.	36229U102	SCHEDULE 13D	Page 7 of 7 Pages	

Signature

After reasonable inquiry and to the best of my knowledge and belief, ${\tt I}$ certify that the information set forth in this statement is true, complete and correct.

Dated: March 3, 2010

TINICUM LANTERN II L.L.C.,
On its own behalf and
as the General Partner of
TINICUM CAPITAL PARTNERS II, L.P.
By Eric M. Ruttenberg,
Managing Member

/s/ Terence M. O'Toole

/s/ Eric M. Ruttenberg

Terence M. O'Toole

/s/ Eric M. Ruttenberg

Eric M. Ruttenberg