MILLER LLOYD I III Form SC 13G/A February 09, 2006

> SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

> > _____

SCHEDULE 13G (RULE 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b) (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b) (AMENDMENT NO. 1)*

Novoste Corporation

-

(Name of Issuer)

Common Stock

(Title of Class of Securities)

67010C209

(CUSIP Number)

December 31, 2005

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[] Rule 13d-1(b)

[X] Rule 13d-1(c)

[] Rule 13d-1(d)

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* 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).

CUS	IP NO. 67010C209			PAGE	2	OF.		PAGES
1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON							
	Lloyd I. Miller, III		279-42-7925					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*			(a)]]	
				(b)		[]	
 3	SEC USE ONLY							
4	CITIZENSHIP OR PLACE OF ORGANIZATION							
	United States							
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER					
			131,607					
		6	SHARED VOTING POWER					
			183,814					
		7	SOLE DISPOSITIVE POWER					
			131,607					
		8	8 SHARED DISPOSITIVE POWER					
			183,814					
9	AGGREGATE AMOUNT BENEFICIAI	J.Y OW	NED BY EACH REPORTING PERS	SON				
-	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON							
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* []							
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)							
	7.7%							
12	TYPE OF REPORTING PERSON							
	 IN-IA-OO**							

** See Item 4.

Item 1(a).	Name of Issuer:	Novoste Corporation		
Item 1(b).	Address of Issuers's Principal Executive Offices:	4350 International Blvd. Norcross, GA 30093		
Item 2(a).	Name of Person Filing:	Lloyd I. Miller, III		
Item 2(b).	Address of Principal Business Office or, if None, Residence:	4550 Gordon Drive, Naples, Florida 34102		
Item 2(c).	Citizenship:	U.S.A.		
Item 2(d).	Title of Class of Securities:	Common Stock		
Item 2(e).	CUSIP Number:	67010C209		
Item 3.	3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b) OR 13d-2(b)			

or (c), CHECK WHETHER THE PERSON FILING IS A:

Not Applicable, this statement is filed pursuant to 13d-1(c)

- Item 4. OWNERSHIP: The reporting person has sole voting and dispositive power with respect to 131,607 of the reported securities (i) as the manager of a limited liability company that is the general partner of a certain limited partnership and (ii) as an individual. The reporting person has shared voting and dispositive power with respect to 183,814 of the reported securities as an investment advisor to the trustee of certain family trusts.
 - (a) 315,421
 - (b) 7.7%
 - (c) (i) sole voting power: 131,607
 - (ii) shared voting power: 183,814
 - (iii) sole dispositive power: 131,607
 - (iv) shared dispositive power: 183,814
- OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS: Item 5.

Not Applicable

OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON: Ttem 6.

> Persons other than Lloyd I. Miller, III have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the reported securities.

Ttem 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not Applicable

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP: Not Applicable

Item 9. NOTICE OF DISSOLUTION OF GROUP:

Not Applicable

Item 10. CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

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

Dated: February 9, 2006

/s/ Lloyd I. Miller, III ______Lloyd I. Miller, III