HENDERSON JAMES R Form 3 January 17, 2006 UNITED STATES SECURITIES AND EXCHANGE COMMISSION FORM 3 OMB APPROVAL Washington, D.C. 20549 OMB

INITIAL STATEMENT OF 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

0005 0104

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response	0.5					

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> HENDERSON JAMES R		2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol NOVOSTE CORP /FL/ [NOVT]					
	First)	(Middle)	01/06/2006	4. Relationsh Person(s) to l	ip of Reporting Issuer	5	5. If Amendment, Date Original Filed(Month/Day/Year)	
C/O STEEL PARTNERS II, L.P., 590 MADISON AVENUE, 32ND FLOOR (Street) NEW YORK, NY 10022			D 0		(Check all applicable) Director 10% Owner OfficerX Other ive title below) (specify below) See Footnote 1		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person	
NEW TORK,		0022					Form filed by More than One Reporting Person	
(City) (State)	(Zip)	Table I -	Non-Deriva	tive Securiti	es Bei	neficially Owned	
1.Title of Security (Instr. 4)		2. Amount Beneficiall (Instr. 4)	of Securities y Owned	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	-		
Common Stock	x, \$.01 pa	r value	0		D <u>(1)</u>	Â		
Reminder: Report of owned directly or i	ndirectly. Person inform require	ns who res ation conta ed to respo	ach class of securities benefi pond to the collection o ained in this form are no ond unless the form disp MB control number.	f ot	SEC 1473 (7-02	2)		
Tab	le II - Deri	vative Secu	rities Beneficially Owned (e.g., puts, calls	, warrants, opt	tions, c	onvertible securities)	

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

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Date	Expiration	Title	Amount or	Security	Direct (D)
Exercisable	Date		Number of		or Indirect
			Shares		(I)
					(Instr. 5)

Reporting Owners

**Signature of

Reporting Person

Reporting Owner Name / Address		Relationships				
		Director	10% Owner	Officer	Other	
HENDERSON JAMES R C/O STEEL PARTNERS II, L.P. 590 MADISON AVENUE, 32ND FLOOR NEW YORK, NY 10022		Â	Â	Â	See Footnote 1	
Signatures						
/s/ Henderson, James R.	01/17/2006					

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).

Date

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) The Reporting Person is a member of a Section 13(d) group that owns more than 10% of the Issuer's outstanding common stock.

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.