## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>ANASTASIO CURT</u>						2. Issuer Name and Ticker or Trading Symbol NuStar Energy L.P. [ NS ]									heck all a <sub>l</sub>		ng Person(s) to	Issuer Owner	
(Last) (First) (Middle) 2330 NORTH LOOP 1604 WEST						3. Date of Earliest Transaction (Month/Day/Year) 01/28/2011									X Offi	,	Othe below nt & CEO	r (specify v)	
(Street) SAN ANTONIO TX 78248  (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Lir	ne) X Foi Foi	´			
		Tabl	le I - No	n-Deriv	ative	Se	curitie	es Acc	quired,	Dis	posed o	f, or	Bene	eficia	lly Owr	ied			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da						ur) E	A. Deemed xecution Date, any Month/Day/Year)		Transaction Disp		Disposed	curities Acquired (A) osed Of (D) (Instr. 3, 4			d Secu Bene	nount of rities ficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(	A) or D)	Price	Trans	saction(s) :. 3 and 4)		(IIISU. 4)	
Common Units 01/28/2						2011		A		13,908(1)		A	\$0		83,024	D			
		Та									sed of, onvertib				Owne	t			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security  3. Transaction Date Execution I if any (Month/Day/Year)		Date, Transaction		Instr.			6. Date E Expiratio (Month/D		Amount of Securities Underlying Derivative Security (Instr. and 4)		ount	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

## **Explanation of Responses:**

1. On January 28, 2011, the Compensation Committee of the Board of Directors of NuStar GP LLC, the general partner of NuStar Energy L.P.'s general partner, determined that NuStar Energy L.P.'s total unitholder return was in the top quartile of its peer group for 2010. As a result, the performance units granted to Mr. Anastasio in 2008, 2009 and 2010 that were available to vest for 2010 performance vested at 150%, in accordance with the applicable agreements. Under the agreements, performance units available to vest that do not vest in a given year are carried forward for one year. In addition, under the omnibus amendments to the applicable award agreements, performance units that would have lapsed in January 2010 were carried forward for an additional year. These carried-forward units vested at 100%, in accordance with the agreements.

> /s/ Matthew D. Willcox, as Attorney-in-Fact for Curtis V. 02/01/2011 **Anastasio**

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.