

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>Inergy GP, LLC</u>  (Last) (First) (Middle) TWO BRUSH CREEK BOULEVARD SUITE 200  (Street) KANSAS CITY MO 64112  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>INERGY MIDSTREAM, L.P. [ NRGM ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) General Partner of NRGY
	3. Date of Earliest Transaction (Month/Day/Year) 12/21/2011	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Units	12/21/2011		J <sup>(3)</sup>		55,925,000	A	\$0	55,925,000	I	See Footnotes <sup>(1)</sup> (2)(3)(4)

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person\*  
Inergy GP, LLC  
 (Last) (First) (Middle)  
 TWO BRUSH CREEK BOULEVARD  
 SUITE 200  
 (Street)  
 KANSAS CITY MO 64112  
 (City) (State) (Zip)

1. Name and Address of Reporting Person\*  
Inergy Holdings GP, LLC  
 (Last) (First) (Middle)  
 TWO BRUSH CREEK BLVD.  
 SUITE 200  
 (Street)  
 KANSAS CITY MO 64112  
 (City) (State) (Zip)

1. Name and Address of Reporting Person\*  
INERGY HOLDINGS, L.P.  
 (Last) (First) (Middle)

TWO BRUSH CREEK BLVD.  
SUITE 200

(Street)  
KANSAS CITY MO 64112

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

INERGY L P

(Last) (First) (Middle)

TWO BRUSH CREEK BOULEVARD  
SUITE 200

(Street)  
KANSAS CITY MO 64112

(City) (State) (Zip)

**Explanation of Responses:**

1. This Form 4 is jointly filed by Inergy, L.P. ("NRGY"), Inergy GP, LLC, Inergy Holdings, L.P. and Inergy Holdings GP, LLC.
2. As of December 21, 2011, (i) Inergy GP, LLC is the general partner of NRGY, (ii) Inergy Holdings, L.P. owns all of the membership interests in Inergy GP, LLC and (iii) Inergy Holdings GP, LLC is the general partner of Inergy Holdings, L.P. Inergy GP, LLC may be deemed to share beneficial ownership of NRGY's interest in the Issuer through its ability to control NRGY. Inergy Holdings, L.P. may be deemed to share beneficial ownership of NRGY's interest in the Issuer through its ability to control Inergy GP, LLC. Inergy Holdings GP, LLC may be deemed to share beneficial ownership of NRGY's interest in the Issuer through its ability to control Inergy Holdings, L.P.
3. Pursuant to the Contribution, Conveyance and Assumption Agreement by and among Inergy GP, LLC, NRGY, Inergy Propane, LLC, MGP GP, LLC, Inergy Midstream Holdings, L.P., NRGM GP, LLC and the Issuer, dated December 21, 2011, NRGY received 55,925,000 Common Units, representing a 75.2 % limited partner interest, in connection with the closing of the initial public offering of the Issuer's Common Units.
4. Inergy GP, LLC, Inergy Holdings, L.P. and Inergy Holdings GP, LLC disclaim beneficial ownership of the reported securities in excess of such entity's pecuniary interest in the securities.

/s/ Judy R. Riddle (attorney-in-  
fact) for John J. Sherman,  
President and Chief Executive  
Officer of Inergy GP, LLC 12/22/2011

/s/ Judy R. Riddle (attorney-in-  
fact) for John J. Sherman,  
President and Chief Executive  
Officer of Inergy GP, LLC on  
behalf of Inergy, L.P. 12/22/2011

/s/ Judy R. Riddle (attorney-in-  
fact) for John J. Sherman,  
President and Chief Executive  
Officer of Inergy Holdings GP,  
LLC, on behalf of Inergy  
Holdings, L.P. 12/22/2011

/s/ Judy R. Riddle (attorney-in-  
fact) for John J. Sherman,  
President and Chief Executive  
Officer of Inergy Holdings GP,  
LLC 12/22/2011

\*\* Signature of Reporting Person Date

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

\* 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.**