

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. )\*

**Vanguard Natural Resources, LLC**

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(Name of Issuer)

**Common Units**

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(Title of Class of Securities)

**92205F106**

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(CUSIP Number)

**December 31, 2007**

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(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)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*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 the disclosures provided in a prior cover page.

The information required in 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).

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1. Names of Reporting Persons  
Lehman Brothers Holdings Inc.  
S.S. or I.R.S. Identification No. of Above Person  
13-3216325

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2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
1,204,800

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6. Shared Voting Power  
-0-

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7. Sole Dispositive Power  
1,204,800

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8. Shared Dispositive Power  
-0-

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,204,800

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
11.2%(1)

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12. Type of Reporting Person (See Instructions)  
HC/CO

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(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

1. Names of Reporting Persons  
Lehman Brothers Inc.  
S.S. or I.R.S. Identification No. of Above Person  
13-2518466

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2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

---

3. SEC Use Only

---

4. Citizenship or Place of Organization  
Delaware

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
39,800

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6. Shared Voting Power  
-0-

---

7. Sole Dispositive Power  
39,800

---

8. Shared Dispositive Power  
-0-

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
39,800

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
0.4%(1)

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12. Type of Reporting Person (See Instructions)  
BD/CO

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(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

1. Names of Reporting Persons  
LB I Group Inc.  
S.S. or I.R.S. Identification No. of Above Person  
13-2741778

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

---

3. SEC Use Only

---

4. Citizenship or Place of Organization  
Delaware

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Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 39,800
	6.	Shared Voting Power -0-
	7.	Sole Dispositive Power 39,800
	8.	Shared Dispositive Power -0-

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
39,800

---

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

---

11. Percent of Class Represented by Amount in Row (9)  
0.4%(1)

---

12. Type of Reporting Person (See Instructions)  
CO

---

(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

1. Names of Reporting Persons  
Lehman Brothers MLP Opportunity  
Associates LLC  
S.S. or I.R.S. Identification No. of Above Person  
20-8727524

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

---

3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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5. Sole Voting Power  
1,165,000

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

6. Shared Voting Power  
-0-

---

7. Sole Dispositive Power  
1,165,000

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8. Shared Dispositive Power  
-0-

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,165,000

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
10.8%(1)

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12. Type of Reporting Person (See Instructions)  
OO

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(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

1. Names of Reporting Persons  
Lehman Brothers MLP Opportunity  
Associates LP  
S.S. or I.R.S. Identification No. of Above Person  
20-8727697

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2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

---

3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
1,165,000

---

6. Shared Voting Power  
-0-

---

7. Sole Dispositive Power  
1,165,000

---

8. Shared Dispositive Power  
-0-

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,165,000

---

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

---

11. Percent of Class Represented by Amount in Row (9)  
10.8%(1)

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12. Type of Reporting Person (See Instructions)  
PN

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(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

1. Names of Reporting Persons  
Lehman Brothers MLP Opportunity  
Fund LP  
S.S. or I.R.S. Identification No. of Above Person  
20-8727922

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
1,165,000

---

6. Shared Voting Power  
-0-

---

7. Sole Dispositive Power  
1,165,000

---

8. Shared Dispositive Power  
-0-

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,165,000

---

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

---

11. Percent of Class Represented by Amount in Row (9)  
10.8%(1)

---

12. Type of Reporting Person (See Instructions)  
PN

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(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

1. Names of Reporting Persons  
Lehman Brothers MLP Associates, L.P.  
S.S. or I.R.S. Identification No. of Above Person  
20-4916814

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 39,800
	6.	Shared Voting Power -0-
	7.	Sole Dispositive Power 39,800
	8.	Shared Dispositive Power -0-

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
39,800

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
0.4%(1)

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12. Type of Reporting Person (See Instructions)  
PN

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(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.



1. Names of Reporting Persons  
Lehman Brothers MLP Partners, LP  
S.S. or I.R.S. Identification No. of Above Person  
20-4916839

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

---

Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 39,800
	6.	Shared Voting Power -0-
	7.	Sole Dispositive Power 39,800
	8.	Shared Dispositive Power -0-

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
39,800

---

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

---

11. Percent of Class Represented by Amount in Row (9)  
0.4%(1)

---

12. Type of Reporting Person (See Instructions)  
PN

---

(1) Based on 10,795,000 common units outstanding as of November 29, 2007, as reported in the 10-Q for the quarter ended September 30, 2007.

**Item 1.**

- (a) Name of Issuer  
Vanguard Natural Resources, LLC
- 
- (b) Address of Issuer's Principal Executive Offices  
7700 San Felipe, Suite 485  
Houston, TX 77063
- 

**Item 2.**

- (a) Name of Person(s) Filing  
Lehman Brothers Holdings Inc.  
Lehman Brothers Inc.  
LB I Group Inc.  
Lehman Brothers MLP Opportunity Associates LLC  
Lehman Brothers MLP Opportunity Associates LP  
Lehman Brothers MLP Opportunity Fund LP  
Lehman Brothers MLP Associates, L.P.  
Lehman Brothers MLP Partners, LP
- 
- (b) Address of Principal Business Office or, if none, Residence  
Lehman Brothers Holdings Inc.  
745 Seventh Avenue  
New York, New York 10019  
  
Lehman Brothers Inc.  
745 Seventh Avenue  
New York, New York 10019  
  
LB I Group Inc.  
399 Park Avenue  
New York, New York 10022  
  
Lehman Brothers MLP Opportunity Associates LLC  
399 Park Avenue  
New York, New York 10022  
  
Lehman Brothers MLP Opportunity Associates LP  
399 Park Avenue  
New York, New York 10022  
  
Lehman Brothers MLP Opportunity Fund LP  
399 Park Avenue  
New York, New York 10022  
  
Lehman Brothers MLP Associates, L.P.  
399 Park Avenue  
New York, New York 10022  
  
Lehman Brothers MLP Partners, LP  
399 Park Avenue  
New York, New York 10022
- 
- (c) Citizenship  
Lehman Brothers Holdings Inc. ("Holdings") is a corporation organized under the laws of the State of Delaware.  
  
Lehman Brothers Inc. ("LBI") is a corporation organized under the laws of the State of Delaware. LBI is a broker-dealer registered under Section 15 of the Act.  
  
LB I Group Inc. ("LB I Group") is a corporation organized under the laws of the State of Delaware.  
  
Lehman Brothers MLP Opportunity Associates LLC ("MLP Opport. Assoc LLC") is a limited liability company formed under the laws of the State of Delaware.  
  
Lehman Brothers MLP Opportunity Associates LP ("MLP Opport. Assoc LP") is a limited partnership formed under the laws of the State of Delaware.

Lehman Brothers MLP Opportunity Fund LP  
("MLP Opport. Fund") is a limited partnership formed under the laws of the State of Delaware.

Lehman Brothers MLP Associates, L.P. ("MLP Assoc LP") is a limited partnership formed under the laws of the State of Delaware.

Lehman Brothers MLP Partners, LP ("MLP Partners") is a limited partnership formed under the laws of the State of Delaware.

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(d) Title of Class of Securities  
Common Units

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(e) CUSIP Number  
92205F106

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**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:  
See Item 9 of cover pages.

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(b) Percent of class:  
See Item 11 of cover pages.

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(c) Number of shares as to which the person has:

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(i) Sole power to vote or to direct the vote

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(ii) Shared power to vote or to direct the vote

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(iii) Sole power to dispose or to direct the disposition of

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(iv) Shared power to dispose or to direct the disposition of  
See Items 5-8 of cover pages.

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**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

MLP Opport. Fund is the actual owner of 1,165,000 Common Units reported herein. MLP Opport. Assoc LP is the general partner of MLP Opport. Fund. MLP Opport. Assoc LLC is the general partner of MLP Opport. Assoc LP and is wholly-owned by Holdings.

Under the rules and regulations of the Securities and Exchange Commission, MLP Opport. Assoc LP, MLP Opport. Assoc LLC and Holdings may be deemed to be the beneficial owners of the Common Units owned by MLP Opport. Fund.

MLP Partners is the actual owner of 39,800 Common Units reported herein. MLP Assoc LP is the general partner of MLP Partners. LB I Group is the general partner of MLP Assoc LP and is wholly-owned by LBI which is wholly-owned by Holdings.

Under the rules and regulations of the Securities and Exchange Commission, MLP Assoc LP, LB I Group, LBI and Holdings may be deemed to be the beneficial owners of the Common Units owned by MLP Partners.

**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 acquired and are held in the ordinary course of business and 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.
- By signing below I hereby 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.

After reasonable inquiry and to the best of the undersigned's knowledge and belief, the undersigned hereby certifies that the information set forth in this statement is true, complete and correct.

Dated: February 13, 2008

LEHMAN BROTHERS HOLDINGS INC.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Vice President

LEHMAN BROTHERS INC.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Senior Vice President

LB I GROUP INC.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP OPPORTUNITY ASSOCIATES LLC

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP OPPORTUNITY ASSOCIATES LP

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP OPPORTUNITY FUND LP

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP ASSOCIATES, L.P.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP PARTNERS LP

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo



EXHIBIT A - JOINT FILING AGREEMENT

The undersigned hereby agree that the Statement on Schedule 13G filed herewith (and any amendments thereto), is being filed jointly with the Securities and Exchange Commission pursuant to Rule 13d-1(k) (1) under the Securities Exchange Act of 1934, as amended, on behalf of each such person.

Dated: February 13, 2008

LEHMAN BROTHERS HOLDINGS INC.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Vice President

LEHMAN BROTHERS INC.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Senior Vice President

LB I GROUP INC.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP OPPORTUNITY ASSOCIATES LLC

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP OPPORTUNITY ASSOCIATES LP

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP OPPORTUNITY FUND LP

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP ASSOCIATES, L.P.

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory

LEHMAN BROTHERS MLP PARTNERS LP

By: /s/ Barrett S. DiPaolo  
Name: Barrett S. DiPaolo  
Title: Authorized Signatory