

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

FORM 10-K/A  
(Amendment No. 1)

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended December 31, 2011

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_  
Commission file number 1-31219

**SUNOCO LOGISTICS PARTNERS L.P.**

(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction of  
incorporation or organization)  
1818 Market Street, Suite 1500, Philadelphia, PA  
(Address of principal executive offices)

23-3096839  
(I.R.S. Employer  
Identification No.)  
19103  
(Zip Code)

Registrant's telephone number, including area code: (866) 248-4344

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
Common Units representing limited partnership interests	New York Stock Exchange
Class A Common Units representing limited partnership interests	New York Stock Exchange
Senior Notes 7.25%, due February 15, 2012	New York Stock Exchange
Senior Notes 8.75%, due February 15, 2014	New York Stock Exchange
Senior Notes 6.125%, due May 15, 2016	New York Stock Exchange
Senior Notes 5.50%, due February 15, 2020	New York Stock Exchange
Senior Notes 4.65%, due February 15, 2022	New York Stock Exchange
Senior Notes 6.85%, due February 15, 2040	New York Stock Exchange
Senior Notes 6.10%, due February 15, 2042	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the Registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Exchange Act. Yes  No

Indicate by check mark if the Registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Securities Exchange Act. Yes  No

Indicate by check mark whether the Registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (Section 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of Registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment of this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer" and "large accelerated filer" in Rule 12b-2 of the Exchange Act.: Large accelerated filer  Accelerated filer  Non-accelerated filer  Small reporting company

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Securities Exchange Act). Yes  No

The aggregate value of the Common Units held by non-affiliates of the registrant (treating all executive officers and directors of the registrant and holders of 10 percent or more of the Common Units outstanding (including the General Partner of the registrant, Sunoco Partners LLC, as if they may be affiliates of the registrant)) was \$2.0 billion as of June 30, 2011, based on \$28.72 per unit, the closing price of the Common Units as reported on the New York Stock Exchange on that date.

At February 24, 2012, the number of the registrant's Common Units and Class A Units outstanding were 99,601,231 and 3,939,435, respectively.

DOCUMENTS INCORPORATED BY REFERENCE: NONE

### **Explanatory Note**

The sole purpose of this Amendment No. 1 to Sunoco Logistics Partners L.P.'s Annual Report on Form 10-K (the "Form 10-K") for the year ended December 31, 2011, as filed with the Securities and Exchange Commission on February 24, 2012, is to furnish a revised Item 13. "Certain Relationships and related Transactions, and Director Independence" to the Form 10-K in accordance with Items 404 and 407(a) of Regulation S-K. Due to an administrative error, certain sections of Item 13 were omitted from the original filing of the Form 10-K. Item 13 provides information regarding related party transactions and director independence.

No other changes have been made to the Form 10-K. This Amendment No. 1 to the Form 10-K does not reflect events that may have occurred subsequent to the original filing date, and does not modify or update in any way disclosures made in the original Form 10-K.

Pursuant to Rule 12b-15 under the Securities Exchange Act of 1934, as amended, this Form 10-K/A also contains new certifications pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, which are attached hereto. Because no financial statements have been included in this Form 10-K/A and this Form 10-K/A does not contain or amend any disclosure with respect to Items 307 and 308 of Regulation S-K, paragraphs 3, 4, and 5 of the certifications have been omitted.

## ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

On February 5, 2010, our general partner, Sunoco Partners LLC, completed the sale of 6.6 million common units of the Partnership in a registered public secondary offering. As of February 23, 2012 our general partner owns a 33.7 percent partnership interest, which includes a 2 percent general partner interest and 29.6 and 3.9 million common and Class A units, respectively, representing a 31.7 percent limited partner interest in us. The general partner's ability to manage and operate us effectively gives the general partner the ability to control us.

### Distribution and Payments to the General Partner and Its Affiliates

The following table summarizes the distribution and payments made and to be made us to the general partner and its affiliates in connection with the ongoing operation and in the case of liquidation. These distributions and payments were determined by and among affiliated entities and, consequently, are not the result of arm's-length negotiations.

#### Operational Stage

Payments to the general partner and its affiliates

We paid the general partner an administrative fee, \$18 million for the year ended December 31, 2011, for the provision of various general and administrative services for our benefit. In addition, the general partner is entitled to reimbursement for all expenses it incurs on our behalf, including other general and administrative expenses. These reimbursable expenses include the salaries and the cost of employee benefits of employees of the general partner who provide services to us. The general partner has sole discretion in determining the amount of these expenses.

Removal or withdrawal of the general partner

If our general partner withdraws or is removed, its general partner interest and its incentive distribution rights will either be sold to the new general partner for cash or converted into common units, in each case for an amount equal to the fair market value of those interests as provided in the Partnership Agreement.

#### Liquidation Stage

Liquidation

Upon liquidation, the partners, including our general partner, will be entitled to receive liquidating distributions according to their particular capital account balances.

Concurrently with and subsequent to the closing of the February 2002 IPO, we entered into several agreements with Sunoco, Inc. (R&M), and/or one or more of its affiliates. Some of these agreements have expired and been extended or replaced. These agreements include the Omnibus Agreement, the Pipelines and Terminals Storage and Throughput Agreement, the Interrefinery Lease Agreement, an intellectual property license agreement, certain crude oil purchase and sale agreements, a treasury services agreement, various asset acquisition agreements and other agreements. The material agreements that are still outstanding are discussed in more detail under "Management's Discussion and Analysis of Financial Condition and Results of Operations—Agreements with Sunoco."

### Approval and Review of Related Party Transactions

Our Partnership Agreement and the Omnibus Agreement each contain provisions for our Conflicts Committee, comprised of our general partner's independent directors, to review transactions with Sunoco, Inc. In some cases review is required and in others it is at the discretion of our general partner. Generally, transactions with Sunoco, Inc. that are material to us are referred to the Conflicts Committee for review and approval. In determining materiality, our general partner evaluates several factors including the term of the transaction, the capital investment required, and the revenues expected from the transaction.

With respect to other related party transactions, we have in place a Code of Business Conduct and Ethics that is applicable to all directors, officers and employees of the Partnership and its subsidiaries and affiliates, a Code of Ethics for Senior Officers of the Partnership and its subsidiaries and affiliates, and a Conflict of Interest Policy applicable to all directors, officers and employees of the Partnership and its subsidiaries and affiliates. Each of these policies requires the approval by a supervisor, officer, or the Board of Directors, prior to entering into any related party transaction that could present a potential conflict of interest. Each of the Partnership Agreement, Code of Business Conduct and Ethics, and Code of Ethics for Senior Officers is publicly available on our website.

## PART IV

### ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

(a) The following documents are filed as part of this report:

- (1) The financial statements are included in Item 8. Financial Statements and Supplementary Data.
- (2) All financial statement schedules required are included in the financial statements or notes thereto.
- (3) Exhibits:

<u>Exhibit No.</u>	<u>Description</u>
2.1*	Asset and Membership Interest Purchase and Sale Agreement between Texon Distribution L.P. and Butane Acquisition I LLC, dated as of June 25, 2010 (incorporated by reference to Exhibit 2.1 of Form 8-K, File No. 1-31219, filed August 4, 2010)
2.1.1*	Schedules and Exhibits to Asset and Membership Interest Purchase and Sale Agreement omitted from this filing. Registrant hereby undertakes, pursuant to Regulation S-K Item 601(2) to furnish any such schedules and exhibits to the SEC supplementally, upon request (incorporated by reference to Exhibit 2.1.1 of Form 8-K, File No. 1-31219, filed August 4, 2010)
3.1*	Certificate of Limited Partnership of Sunoco Logistics Partners L.P. (incorporated by reference to Exhibit 3.1 to Form S-1 Registration Statement, file No. 333-71968, filed October 22, 2001)
3.2*	Certificate of Limited Partnership of Sunoco Logistics Operations L.P. (incorporated by reference to Exhibit 3.1 to Amendment No. 1 to Form S-1 filed December 18, 2001)
3.3*	First Amended and Restated Agreement of Limited Partnership of Sunoco Logistics Partners Operations L.P., dated as of February 8, 2002 (incorporated by reference to Exhibit 3.5 of Form 10-K, file No. 1-31219, filed April 1, 2002)
3.4*	Third Amended and Restated Agreement of Limited Partnership of Sunoco Logistics Partners L.P., dated as of January 26, 2010 (incorporated by reference to Exhibit 3.1 of Sunoco Logistics Partners L.P.'s Current Report on Form 8-K, File No. 1-31219, filed January 28, 2010)
3.4.1*	Amendment No. 1 to Third Amended and Restated Partnership Agreement of Sunoco Logistics Partners L.P., dated as of July 1, 2011 (incorporated by reference to Exhibit 3.1 of Form 8-K, File No. 1-31219, filed July 5, 2011)
3.5*	Third Amended and Restated Limited Liability Company Agreement of Sunoco Partners LLC dated as of July 1, 2011 (incorporated by reference to Exhibit 3.2 of Form 8-K, File No. 1-31219, filed July 5, 2011)
10.1*	\$350,000,000 Credit Agreement dated as of August 22, 2011, among Sunoco Logistics Partners Operations L.P., as the Borrower; Sunoco Logistics Partners L.P., as the Guarantor; Citibank, N.A., as Administrative Agent, Swing Line Lender and as a Lender and L/C Issuer; Barclays Bank PLC, as a Lender and L/C Issuer; and the other Lenders Party Hereto (incorporated by reference to Exhibit 10.1 of Form 10-Q, File No. 1-31219, filed November 3, 2011)
10.2*	\$200,000,000 364-Day Revolving Credit Agreement dated as of August 22, 2011, among Sunoco Partners Marketing & Terminals L.P., as Borrower; Sunoco Logistics Partners Operations L.P. and Sunoco Logistics Partners L.P., as the Guarantors; Citibank, N.A. as Administrative Agent and as a Lender; Barclays Bank PLC, as a Lender; and the other Lenders Party Hereto (incorporated by reference to Exhibit 10.2 of Form 10-Q, File No. 1-31219, filed November 3, 2011)
10.3*	Indenture, dated as of December 16, 2005 (incorporated by reference to Exhibit 4.4 of Registration Statement on Form S-3, File No. 333-130564, filed December 21, 2005)

<u>Exhibit No.</u>	<u>Description</u>
10.4*	Contribution, Conveyance and Assumption Agreement, dated as of February 8, 2002, among Sunoco, Inc., Sun Pipe Line Company of Delaware, Sunoco, Inc. (R&M), Atlantic Petroleum Corporation; Sunoco Texas Pipe Line Company, Sun Oil Line of Michigan (Out) LLC, Mid-Continent Pipe Line (Out) LLC, Sun Pipe Line Services (Out) LLC, Atlantic Petroleum Delaware Corporation, Atlantic Pipeline (Out) L.P., Sunoco Partners LLC, Sunoco Partners Lease Acquisition & Marketing LLC, Sunoco Logistics Partners L.P., Sunoco Logistics Partners GP LLC, Sunoco Pipeline L.P., Sunoco Partners Marketing & Terminals L.P., Sunoco Mid-Con (In) LLC, Atlantic (In) L.P., Sunoco Logistics Partners Operations L.P., Sunoco Logistics Partners Operations GP LLC, Atlantic R&M (In) L.P., Sun Pipe Line Services (In) L.P., Sunoco Michigan (In) LLC, Atlantic (In) LLC, Sunoco Logistics Pipe Line GP LLC, Sunoco R&M (In) LLC, and Atlantic Refining & Marketing Corp. (incorporated by reference to Exhibit 10.4 of Form 10-K, file No. 1-31219, filed April 1, 2002)
10.5*	Omnibus Agreement, dated as of February 8, 2002, by and among Sunoco, Inc., Sunoco, Inc. (R&M), Sunoco Logistics Pipe Line Company of Delaware, Atlantic Petroleum Corporation, Sunoco Texas Pipe Line Company, Sun Pipe Line Services (Out) LLC, Sunoco Logistics Partners L.P., Sunoco Logistics Partners Operations L.P., and Sunoco Partners LLC (incorporated by reference to Exhibit 10.5 of Form 10-K, file No. 1-31219, filed April 1, 2002)
10.5.1*	Amendment No. 2011-1 to Omnibus Agreement, dated as of February 22, 2011, and effective January 1, 2011, by and among Sunoco, Inc., Sunoco, Inc. (R&M), Sun Pipe Line Company of Delaware LLC, Atlantic Petroleum Corporation, Sunoco Logistics Partners L.P., Sunoco Logistics Partners Operations L.P., Sunoco Pipeline L.P. and Sunoco Partners LLC (incorporated by reference to Exhibit 10.6.1 of Form-K, file No. 1-31219 filed February 23, 2011)
10.6*	Amended and Restated Treasury Services Agreement, dated as of November 26, 2003, by and among Sunoco, Inc., Sunoco Logistics Partners L.P., and Sunoco Logistics Partners Operations L.P. (incorporated by reference to Exhibit 10.7.1 of Form 10-K, file No. 1-31219, filed March 4, 2004)
10.7*	Intellectual Property and Trademark License Agreement, dated as of February 8, 2002 among Sunoco, Inc., (“Sunoco”), Sunoco, Inc. (R&M), Sunmarks, Inc., Sunoco Logistics Partners L.P., Sunoco Logistics Partners Operations L.P., Sunoco Partners Marketing & Terminals L.P., Sunoco Pipeline L.P., and Sunoco Partners LLC (incorporated by reference to Exhibit 10.8 of Form 10-K, file No. 1-31219, filed April 1, 2002)
10.8*	Inter-refinery Lease, dated as of February 8, 2002, between Sunoco Pipeline L.P., and Sunoco, Inc. (R&M) (incorporated by reference to Exhibit 10.9 of Form 10-K, file No. 1-31219, filed April 1, 2002)
10.9*	Sunoco Partners LLC Executive Involuntary Severance Plan, as amended and restated as of July 27, 2010 (incorporated by reference to Exhibit 10.1 of Form 10-Q, file No. 1-31219, filed August 4, 2010)
10.10*	Sunoco Partners LLC Long-Term Incentive Plan, as amended and restated as of April 25, 2011 (incorporated by reference to Exhibit 10.1 of Form 10-Q, file No. 1-31219, filed May 5, 2011)
10.10.1*	Form of Restricted Unit Agreement under the Sunoco Partners LLC Long-Term Incentive Plan (incorporated by reference to Exhibit 10.11.1 of Form 10-K, file No. 1-31219, filed February 23, 2011)
10.10.2*	Form of Restricted Unit Agreement under the Sunoco Partners LLC Long-Term Incentive Plan (incorporated by reference to Exhibit 10.11.2 of Form 10-K, file No. 1-31219, filed February 23, 2011)

<u>Exhibit No.</u>	<u>Description</u>
10.11*	Sunoco Partners LLC Annual Incentive Plan, as amended and restated as of April 25, 2011 (incorporated by reference to Exhibit 10.2 of Form 10-Q, file No. 1-31219, filed May 5, 2011)
10.12*	Sunoco Partners LLC Directors' Deferred Compensation Plan, as amended and restated as of July 27, 2010 (incorporated by reference to Exhibit 10.4 of Form 10-Q, file No. 1-31219, filed August 4, 2010)
10.13*	Sunoco Partners LLC Special Executive Severance Plan, as amended and restated as of July 27, 2010 (incorporated by reference to Exhibit 10.5 of Form 10-Q, file No. 1-31219, filed August 4, 2010)
10.14***	Crude Oil Pipeline Throughput and Deficiency Agreement between Motiva Enterprises LLC and Sunoco Pipeline L.P., dated as of December 19, 2006 (incorporated by reference to Exhibit 10.19 of Form 10-K, file no. 1-31219, filed February 23, 2007)
10.15***	Marine Dock and Terminalling Agreement between Motiva Enterprises LLC and Sunoco Partners Marketing & Terminals L.P., dated as of December 19, 2006 (incorporated by reference to Exhibit 10.20 of Form 10-K, file no. 1-31219, filed February 23, 2007)
10.16*	Membership Interest Purchase Agreement, effective as of July 27, 2006, between Sunoco, Inc. and Sunoco Pipeline Acquisition LLC (incorporated by reference to Exhibit 10.1 of Form 10-Q, file No. 1-31219, filed August 2, 2006)
10.17*	Product Terminal Services Agreement, dated as of May 1, 2007, among Sunoco, Inc. (R&M) and Sunoco Partners Marketing & Terminals L.P. (incorporated by reference to Exhibit 10.1 of Form 10-Q, file No. 1-31219, filed July 31, 2007)
10.17.1*	Letter Agreement, dated January 19, 2012, amending Product Terminal Services Agreement (incorporated by reference to Exhibit 10.17.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
10.18*	Repurchase Agreement between Sunoco Logistics Partners L.P. and Sunoco Partners LLC, dated January 26, 2010 (incorporated by reference to Exhibit 10.1 of Form 8-K, file No. 1-31219, filed January 28, 2010)
10.19*	Contribution Agreement, dated as of June 29, 2011, to be effective July 1, 2011, by and among Sunoco, Inc. (R&M), Sunoco Logistics Partners L.P., and certain subsidiaries and affiliates of Sunoco Logistics Partners L.P. (incorporated by reference to Exhibit 10.1 of Form 10-Q/A, file No. 1-31219, filed August 8, 2011).
10.20*	Letter Agreement dated November 2, 2011, by and between Sunoco Partners LLC and Michael J. Hennigan, President and Chief Operating Officer (incorporated by reference to Exhibit 10.3 of Form 10-Q, file No. 1-31219, filed November 3, 2011).
12.1*	Statement of Computation of Ratio of Earnings to Fixed Charges (incorporated by reference to Exhibit 12.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
14.1*	Code of Ethics for Senior Officers (incorporated by reference to Exhibit 10.14.1 to Form 10-K, File No. 1-31219, filed March 4, 2004)
21.1*	Subsidiaries of Sunoco Logistics Partners L.P. (incorporated by reference to Exhibit 21.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
23.1*	Consent of Independent Registered Public Accounting Firm (incorporated by reference to Exhibit 23.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
24.1*	Power of Attorney (incorporated by reference to Exhibit 24.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
31.1	Officer Certification Pursuant to Exchange Act Rule 13a-14(a)
31.2	Officer Certification Pursuant to Exchange Act Rule 13a-14(a)

**Exhibit  
No.**

**Description**

32.1*	Officer Certification Pursuant to Exchange Act Rule 13a-14(b) and 18 U.S.C. § 1350 (incorporated by reference to Exhibit 32.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
101.1*	The following financial statements from Sunoco Logistics Partners L.P.'s Annual Report on Form 10-K for the year ended December 31, 2011 formatted in XBRL (eXtensible Business Reporting Language): (i) the Statements of Income; (ii) the Balance Sheets; (iii) the Statements of Cash Flows; (iv) the Statements of Equity; and, (v) the Notes to Financial Statements (incorporated by reference to Exhibit 101.1 of Form 10-K, file no. 1-31219, filed February 24, 2012)
* ** *** †	<p>Each such exhibit has heretofore been filed with the Securities and Exchange Commission as part of the filing indicated and is incorporated herein by reference.</p> <p>Confidential status has been granted for certain portions of this exhibit pursuant to a Confidential Treatment Request filed May 9, 2005. Such provisions have been separately filed with the Commission.</p> <p>Confidential status has been requested for certain portions thereof pursuant to a Confidential Treatment Request filed February 23, 2007. Such provisions have been separately filed with the Commission.</p> <p>Confidential status has been requested for certain portions thereof pursuant to a Confidential Treatment Request filed July 31, 2007. Such provisions have been separately filed with the Commission.</p>



**CERTIFICATION**  
**Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002**

I, Lynn L. Elsenhans, Chairman, Chief Executive Officer of Sunoco Partners LLC, the general partner of the registrant Sunoco Logistics Partners L.P., certify that:

1. I have reviewed this Amendment No. 1 to the annual report on Form 10-K of Sunoco Logistics Partners L.P.; and
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report.

/s/ LYNN L. ELSENHANS

Name: Lynn L. Elsenhans

Title: Chairman and Chief Executive Officer

Date: February 29, 2012

**CERTIFICATION**  
**Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002**

I, Brian P. MacDonald, Vice President and Chief Financial Officer of Sunoco Partners LLC, the general partner of the registrant Sunoco Logistics Partners L.P., certify that:

1. I have reviewed this Amendment No. 1 to the annual report on Form 10-K of Sunoco Logistics Partners L.P.; and
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report.

/s/ BRIAN P. MACDONALD

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Name: Brian P. MacDonald  
Title: Vice President and Chief Financial Officer  
Date: February 29, 2012