

FAIRMOUNT SANTROL HOLDINGS INC.
Form S-3ASR
December 01, 2016
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As filed with the Securities and Exchange Commission on December 1, 2016

Registration No. 333-

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

Form S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

FAIRMOUNT SANTROL HOLDINGS INC.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

34-1831554
(I.R.S. Employer
Identification No.)

8834 Mayfield Road

Chesterland, Ohio 44026

(800) 255-7263

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

David J. Crandall, Esq.

Senior Vice President, General Counsel and Secretary

8834 Mayfield Road

Chesterland, Ohio 44026

(800) 255-7263

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With copies to:

Arthur C. Hall III, Esq.

Douglas A. Neary, Esq.

Calfee, Halter & Griswold LLP

The Calfee Building

1405 East Sixth Street

Cleveland, Ohio 44114-1607

(216) 622-8200

Approximate date of commencement of proposed sale to public: From time to time after this registration statement becomes effective.

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If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check One):

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

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Title of each Class of Securities to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Unit	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Primary Offering by Fairmount Santrol Holdings Inc.:				
Common Stock, par value \$0.01 per share	(2)	(2)	(2)	(3)
Preferred Stock, par value \$0.01 per share	(2)	(2)	(2)	(3)
Debt Securities	(2)	(2)	(2)	(3)
Warrants	(2)	(2)	(2)	(3)
Units (4)	(2)	(2)	(2)	(3)
Purchase Contracts	(2)	(2)	(2)	(3)
Secondary Offering by Selling Security Holders:				
Common Stock, par value \$0.01 per share	(2)	(2)	(2)	(3)
Common Stock, par value \$0.01 per share	71,156,628	\$8.00(5)	\$569,253,024(5)	\$65,976.43
Total				

- (1) In accordance with Rule 416 under the Securities Act of 1933, as amended (the Securities Act), this registration statement shall be deemed to cover any additional securities to be offered or issued from stock splits, stock dividends or similar transactions with respect to the securities being registered.
- (2) An indeterminate aggregate offering price and amount of securities of each identified class is being registered as may be offered from time to time at indeterminate prices.
- (3) In accordance with Rules 456(b) and 457(r) under the Securities Act, the registrant is deferring payment of these registration fees, which will be paid from time to time in connection with one or more offerings of securities to be made hereunder.
- (4) Any securities registered hereunder may be sold separately or as units with other securities registered hereunder.
- (5) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) under the Securities Act, based on the average of the high and low prices of our common stock on the New York Stock Exchange on November 29, 2016. The proposed maximum offering price per share of common stock will be determined from time to time by the selling security holders named herein, or such additional selling security holders as may be named in one or more prospectus supplements, in connection with, and at the time of, the sale by such selling security holders of the shares of common stock registered hereunder.

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PROSPECTUS

FAIRMOUNT SANTROL HOLDINGS INC.

Common Stock

Preferred Stock

Debt Securities

Warrants

Units

Purchase Contracts

We, from time to time, may offer to sell common stock, preferred stock, debt securities, warrants, units or purchase contracts. We refer to our common stock, preferred stock, debt securities, warrants, units and purchase contracts collectively as the securities. The debt securities and preferred stock may be convertible into or exercisable or exchangeable for our common stock, our preferred stock, our other securities or the debt or equity securities of one or more other entities. This prospectus describes some of the general terms that may apply to these securities.

In addition, the selling security holder identified in this prospectus and such additional selling security holders as may be named in one or more prospectus supplements (collectively, the selling security holders) may offer and sell shares of our common stock from time to time in amounts, at prices and on terms that will be determined at the time of the offering. We will not receive any of the proceeds from the sale of our common stock offered by the selling security holders.

We or the selling security holders may offer and sell these securities to or through one or more underwriters, dealers or agents, or directly to investors, or through a combination of these methods, on a continuous or delayed basis.

Our common stock is traded on the New York Stock Exchange under the symbol FMSA. We have not yet determined whether any of the other securities that may be offered by this prospectus will be listed on any exchange, inter-dealer quotation system or over-the-counter market. If we decide to seek the listing of any such securities upon issuance, the prospectus supplement relating to those securities will disclose the exchange, quotation system or market on which the securities will be listed.

Investing in our securities involves a high degree of risk. Please read the risk factors discussed or incorporated by reference under the section of the prospectus captioned Risk Factors on page 5.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is December 1, 2016.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission (SEC) using a shelf registration procedure. Under this shelf registration process, we may sell any combination of the securities described in this prospectus in one or more offerings from time to time, and the selling security holders may sell shares of our common stock in one or more offerings from time to time. This prospectus provides you with a general description of the securities we may offer, as well as the shares of our common stock that the selling security holders may offer. Each time we sell securities under this shelf registration, or the selling security holders sell shares of our common stock, to the extent required, we will provide a prospectus supplement that will contain specific information about the terms of that offering.

Any prospectus supplement and any related free writing prospectus that we or any selling security holders may authorize may also add, update, or change information contained in this prospectus. The prospectus supplement and any related free writing prospectus may also add, update or change information contained in this prospectus. Therefore, if there is any inconsistency between the information in this prospectus and the prospectus supplement or free writing prospectus, you should rely on the information in the prospectus supplement or free writing prospectus, as applicable. You should carefully read this prospectus, the applicable prospectus supplement and any free writing prospectuses we or any selling security holders have authorized for use in connection with a specific offering, together with the additional information described under the heading Where You Can Find More Information, in their entirety. They contain information that you should consider when making your investment decision.

We and the selling security holders have not authorized any dealer, salesman or other person to give any information or to make any representation other than those contained or incorporated by reference in this prospectus and any related prospectus supplement. You must not rely upon any information or representation not contained or incorporated by reference in this prospectus or the related prospectus supplement. This prospectus and any related prospectus supplement do not constitute an offer to sell or the solicitation of an offer to buy any securities other than the registered securities to which they relate, nor do this prospectus and any related prospectus supplement constitute an offer to sell or the solicitation of an offer to buy securities in any jurisdiction to any person to whom it is unlawful to make such offer or solicitation in such jurisdiction. You should not assume that the information in this prospectus, any prospectus supplement, or any document incorporated by reference is accurate as of any date other than the date of the document in which such information is contained, or such other date referred to in such document, regardless of the time of any sale or issuance of a security.

The registration statement that contains this prospectus contains additional information about our company and the securities offered under this prospectus. That registration statement can be read at the SEC website or at the SEC offices mentioned under the heading Where You Can Find More Information.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC. The reports, proxy statements and other information that we file electronically with the SEC are available to the public free of charge at the SEC's website at www.sec.gov. You may also read and copy any document we file with the SEC, at prescribed rates, at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of its Public Reference Room. You can also inspect our reports, proxy statements and other information at the offices of the New York Stock Exchange, 20 Broad Street, New York, New York 10005.

We incorporate by reference into this prospectus the information we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus. Some information contained in this prospectus

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updates the information incorporated by reference into this prospectus, and information that we subsequently file with the SEC will automatically update information in this prospectus, as well as our other filings with the SEC. In other words, in the case of a conflict or inconsistency between information in this prospectus and/or information incorporated by reference into this prospectus, you should rely on the information contained in the document that was filed later. We incorporate by reference the documents listed below and any filings we make with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Securities Exchange Act of 1934, as amended (the Exchange Act), after the initial filing of the registration statement that contains this prospectus and prior to the time that we sell all the securities offered under this prospectus, other than the portions of such documents that by statute, by designation in such documents, or otherwise are not deemed to be filed with the SEC or are not required to be incorporated herein by reference:

annual report on Form 10-K for the year ended December 31, 2015;

amended annual report on Form 10-K/A for the year ended December 31, 2015;

quarterly reports on Form 10-Q for the quarters ended March 31, 2016, June 30, 2016 and September 30, 2016;

the information in our Definitive Proxy Statement on Schedule 14A filed on April 7, 2016 that is specifically incorporated by reference into our Annual Report on Form 10-K for the year ended December 31, 2015;

current reports on Form 8-K filed on March 3, 2016, May 2, 2016, May 12, 2016, July 25, 2016, October 24, 2016, November 17, 2016, November 29, 2016 and December 1, 2016 (except that the information furnished pursuant to Item 7.01 of Form 8-K and the exhibits relating to such information are not incorporated into this prospectus); and

the description of our common stock included under the caption Description of Capital Stock contained in the prospectus forming part of our Registration Statement on Form S-1 (File No. 333-198322), which description has been incorporated by reference in Item 1 of our Registration Statement on Form 8-A, filed pursuant to Section 12 of the Exchange Act, on September 30, 2014 including any amendment or report filed for the purpose of updating such description.

We will provide to each person, including any beneficial owner, to whom this prospectus is delivered any or all of these filings (other than an exhibit to a filing unless that exhibit is specifically incorporated by reference into that filing) at no cost, upon written or oral request. You may request these documents by writing to or telephoning us at the following address and number:

Corporate Secretary

Fairmount Santrol Holdings Inc.

8834 Mayfield Road

Chesterland, Ohio 44026

(800) 255-7263

You should rely only on the information incorporated by reference or set forth in this prospectus, the applicable prospectus supplement, or in any free writing prospectus prepared by or on behalf of us or to which we have referred you. We have not authorized anyone else to provide you with additional or different information. We may only use this prospectus to sell securities if it is accompanied by a prospectus supplement. We are only offering these securities in states where the offer is permitted. You should not assume that the information in this prospectus, the applicable prospectus supplement or any related free writing prospectus is accurate as of any date other than the dates on the front of those documents.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus (including the information incorporated by reference herein) contains, and any accompanying prospectus supplement will contain, forward-looking statements. These statements relate to our

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plans, expectations, estimates and beliefs of future events or our future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from those expressed or implied by any forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as may, will, could, would, should, expect, plan, anticipate, target, project, intend, believe, estimate, predict, potential, pro forma, seek or of those terms or other comparable terminology. These statements are only predictions and we can give no assurance that such expectations will prove to be correct. Some of the things that could cause our actual results to differ substantially from our expectations are:

the price of oil and gas and the level of activity in the oil and gas industries;

the level of cash flows generated to provide adequate liquidity to meet our working capital needs, capital expenditures, and our lease and debt obligations;

increasing costs or a lack of dependability or availability of transportation services or infrastructure and geographic shifts in demand;

changes to leased terminal arrangements impacting our distribution network and ability to deliver our products to our customers;

our rights and ability to mine our properties and our renewal or receipt of the required permits and approvals from governmental authorities and other third parties;

fluctuations in demand and pricing for raw and coated sand-based proppants or the development of either effective alternative proppants or new processes to replace hydraulic fracturing;

continuing pressure on market-based pricing;

lower of cost or market inventory adjustments and/or obsolete inventory due to lower proppant demand from the oil and gas industry;

our ability to protect our intellectual property rights;

our ability to successfully develop and commercialize Propel SSP;

our ability to succeed in competitive markets;

loss of, or reduction in, business from our largest customers;

our exposure to the credit risk of our customers and any potential material nonpayments, bankruptcies and/or nonperformance by our customers;

our transactions in, and operating subsidiaries with, functional currencies other than the U.S. dollar. We are exposed to fluctuations in the exchange rates of these currencies compared to the U.S. dollar, which is the primary currency in which we operate. These fluctuations may be significant, and may not be fully mitigated by risk management techniques such as foreign currency hedging;

changes in U.S. or international economic conditions could adversely impact our operating results;

fluctuations in demand for industrial and recreational sand;

operating risks that are beyond our control, such as changes in the price and availability of transportation, natural gas or electricity; unusual or unexpected geological formations or pressures; cave-ins, pit wall failures or rock falls; or unanticipated ground, grade or water conditions;

our dependence on our Wedron Silica sand-mining facility for a significant portion of our sales, which currently supplies almost all of our Northern White frac sand and a portion of our industrial and recreation sand sold into our markets;

the availability of raw materials to support our manufacturing of resin-coated proppants;

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diminished access to water;

challenges to our title to our mineral properties and water rights;

our ability to make capital expenditures to maintain, develop and increase our asset base and our ability to obtain needed capital or financing on satisfactory terms, including financing for existing commitments such as future railcar deliveries;

the potential impairment of our property, including our mineral reserves, plant, equipment, goodwill and intangible assets as a result of continuing depressed market conditions;

substantial indebtedness, lease and pension obligations;

restrictions imposed by our indebtedness and lease obligations on our current and future operations;

the accuracy of our estimates of our mineral reserves and our ability to mine them;

substantial costs related to mines, resin-coating facilities, and terminals that have been closed;

potential disruption of our operations due to severe weather conditions, such as tornados and electrical storms, which frequently occur in areas where we operate;

a shortage of skilled labor and rising labor costs in the mining industry;

increases in the prices of, or interruptions in the supply of, natural gas and electricity, or any other energy sources;

our ability to attract and retain key personnel;

our ability to maintain satisfactory labor relations;

silica-related health issues and corresponding litigation;

our ability to maintain effective quality control systems at our mining, processing and production facilities;

fluctuations in our sales and results of operations due to seasonality and other factors;

interruptions or failures in our information technology systems;

failure to comply with the provisions of the Foreign Corrupt Practices Act (FCPA);

the impact of a terrorist attack or armed conflict;

cybersecurity breaches;

our failure to maintain adequate internal controls;

extensive and evolving environmental, mining, health and safety, licensing, reclamation and other regulation (and changes in their enforcement or interpretation);

our ability to acquire, maintain or renew financial assurances related to the reclamation and restoration of mining property; and

other factors referenced in this prospectus and any accompanying prospectus supplement, including those set forth or referenced under the caption Risk Factors, and in our filings with the SEC, including those set forth or discussed in the Risk Factors and Management's Discussion and Analysis of Financial Condition and Results of Operations sections of those reports.

We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, after the date of this prospectus to conform them to actual results. All of the forward-looking statements are qualified in their entirety by reference to the factors discussed in and incorporated by reference into the section captioned Risk Factors, and by any cautionary language in

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this prospectus and any accompanying prospectus supplement. We caution you that these risk factors may not be exhaustive. We operate in a continually changing business environment, and new risk factors emerge from time to time. Management cannot predict such new risk factors, nor can it assess the impact, if any, of such new risk factors on our businesses or the extent to which any factor or combination of factors, may cause actual results to differ materially from those projected in any forward-looking statements. In light of these risks, uncertainties and assumptions, the forward-looking events discussed in this prospectus or in documents incorporated by reference herein might not occur.

RISK FACTORS

Investing in our securities involves risks. Before deciding whether to purchase any of our securities, you should carefully consider the risks involved in an investment in our securities, as set forth in:

Item 1A, Risk Factors, in our Annual Report on Form 10-K for our fiscal year ended December 31, 2015; and

the other risks described in any prospectus supplement or in any of the documents incorporated by reference in this prospectus.

It is possible that our business, financial condition, liquidity or results of operations could be materially adversely affected by any of these risks.

USE OF PROCEEDS

We intend to use the net proceeds from the sale of the securities for other general corporate purposes unless otherwise indicated in the applicable prospectus supplement or in any free writing prospectuses we have authorized relating to a specific issuance of securities. Our general corporate purposes include, but are not limited to, working capital, repayment, redemption or refinancing of debt, leases, capital expenditures, investments in or loans to subsidiaries and joint ventures, funding of possible acquisitions and satisfaction of other obligations. Pending any such use, the net proceeds from the sale of the securities may be invested in short-term, investment grade, interest-bearing instruments. We will include a more detailed description of the use of proceeds of any specific offering in the applicable prospectus supplement relating to an offering of securities under this prospectus. Unless otherwise set forth in a prospectus supplement, we will not receive any proceeds from the sale of common stock by any selling security holders.

RATIO OF EARNINGS TO FIXED CHARGES

The following table sets forth the ratio of our earnings to our fixed charges for the periods indicated. The ratio has been computed by dividing earnings by fixed charges. For purposes of computing the ratio, Earnings is income before income taxes plus fixed charges, less capitalized interest. Fixed Charges is interest expense plus capitalized interest and the portion of rental expense which management believes is representative of interest expense.

Fiscal Years Ended December 31,					Nine Months Ended
2011	2012	2013	2014	2015	September 30,
					2016

4.02	4.27	3.02	3.99	N/M*	N/M*
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* For these periods, earnings are insufficient to cover fixed charges. The deficiency, which is the dollar amount of earnings necessary to attain a ratio equal to one to one, is \$97,619 for the twelve months ended December 31, 2015 and \$219,003 for the nine months ended September 30, 2016.

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DESCRIPTION OF CAPITAL STOCK

The following summary of the capital stock and amended and restated certificate of incorporation and amended and restated bylaws of Fairmount Santrol Holdings Inc. does not purport to be complete and is qualified in its entirety by reference to the provisions of applicable law and to our amended and restated certificate of incorporation and amended and restated bylaws.

Common Stock

Our amended and restated certificate of incorporation authorizes us to issue up to 1,850,000,000 shares of common stock, par value \$0.01 per share. As of November 21, 2016, there were 222,890,868 shares of common stock outstanding, net of treasury shares, held by 56 direct registered stockholders.

Except as provided by law or in a preferred stock designation, holders of common stock are entitled to one vote for each share held of record on all matters submitted to a vote of the stockholders, will have the exclusive right to vote for the election of directors and do not have cumulative voting rights. Except as otherwise required by law, holders of common stock are not entitled to vote on any amendment to the amended and restated certificate of incorporation (including any certificate of designations relating to any series of preferred stock) that relates solely to the terms of any outstanding series of preferred stock if the holders of such affected series are entitled, either separately or together with the holders of one or more other such series, to vote thereon pursuant to the amended and restated certificate of incorporation (including any certificate of designations relating to any series of preferred stock) or pursuant to the Delaware General Corporation Law (the "DGCL"). Subject to prior rights and preferences that may be applicable to any outstanding shares or series of preferred stock, holders of common stock are entitled to receive ratably in proportion to the shares of common stock held by them such dividends (payable in cash, stock or otherwise), if any, as may be declared from time to time by our board of directors out of funds legally available for dividend payments. All outstanding shares of common stock are fully paid and non-assessable. The holders of common stock have no preferences or rights of conversion, exchange, pre-emption or other subscription rights. There are no redemption or sinking fund provisions applicable to the common stock. In the event of any voluntary or involuntary liquidation, dissolution or winding-up of our affairs, holders of common stock will be entitled to share ratably in our assets in proportion to the shares of common stock held by them that are remaining after payment or provision for payment of all of our debts and obligations and after distribution in full of preferential amounts to be distributed to holders of outstanding shares of preferred stock, if any.

Preferred Stock

Our amended and restated certificate of incorporation authorizes our board of directors, subject to any limitations prescribed by law, without further stockholder approval, to establish and to issue from time to time one or more series of preferred stock, par value \$0.01 per share. Each such series of preferred stock will cover the number of shares and will have the powers, preferences, rights, qualifications, limitations and restrictions determined by the board of directors, which may include, among others, dividend rights, participation rights, liquidation preferences, voting rights, conversion rights, preemptive rights and redemption rights. Except as provided by law or in a preferred stock designation, the holders of preferred stock will not be entitled to vote at or receive notice of any meeting of stockholders.

Anti-Takeover Effects of Provisions of Our Amended and Restated Certificate of Incorporation, our Amended and Restated Bylaws and Delaware Law

Some provisions of Delaware law, our amended and restated certificate of incorporation and our amended and restated bylaws contain provisions that could make the following transactions more difficult: acquisitions of us by means of a tender offer, a proxy contest or otherwise or removal of our directors. These provisions may also have the effect of preventing changes in our management. It is possible that these provisions

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could make it more difficult to accomplish or could deter transactions that stockholders may otherwise consider to be in their best interest or in our best interests, including transactions that might result in a premium over the market price for our shares.

These provisions are expected to discourage coercive takeover practices and inadequate takeover bids. These provisions are also designed to encourage persons seeking to acquire control of us to first negotiate with us. We believe that the benefits of increased protection and our potential ability to negotiate with the proponent of an unfriendly or unsolicited proposal to acquire or restructure us outweigh the disadvantages of discouraging these proposals because, among other things, negotiation of these proposals could result in an improvement of their terms.

Delaware Law

Section 203 of the DGCL prohibits a Delaware corporation, including those whose securities are listed for trading on the NYSE, from engaging in any business combination (as defined in Section 203) with any interested stockholder (as defined in Section 203) for a period of three years following the date that the stockholder became an interested stockholder, unless:

the business combination or the transaction which resulted in the stockholder becoming an interested stockholder is approved by the board of directors before the date the interested stockholder attained that status;

upon consummation of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced; or

on or after such time the business combination is approved by the board of directors and authorized at a meeting of stockholders by at least two-thirds of the outstanding voting stock that is not owned by the interested stockholder.

A corporation may elect not to be subject to Section 203 of the DGCL. We have elected to not be subject to the provisions of Section 203 of the DGCL.

Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws

Provisions of our amended and restated certificate of incorporation and amended and restated bylaws may delay or discourage transactions involving an actual or potential change in control or change in our management, including transactions in which stockholders might otherwise receive a premium for their shares, or transactions that our stockholders might otherwise deem to be in their best interests. Therefore, these provisions could adversely affect the price of our common stock.

Among other things our amended and restated certificate of incorporation and amended and restated bylaws:

establish advance notice procedures with regard to stockholder proposals relating to the nomination of candidates for election as directors or new business to be brought before meetings of our stockholders. These procedures

provide that notice of stockholder proposals must be timely given in writing to our corporate secretary prior to the meeting at which the action is to be taken. Generally, to be timely, notice must be received at our principal executive offices not less than 90 days nor more than 120 days prior to the first anniversary date of the annual meeting for the preceding year. Our amended and restated bylaws specify the requirements as to form and content of all stockholders' notices. These requirements may preclude stockholders from bringing matters before the stockholders at an annual or special meeting;

provide our board of directors the ability to authorize undesignated preferred stock. This ability makes it possible for our board of directors to issue, without stockholder approval, preferred stock with voting or

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other rights or preferences that could impede the success of any attempt to change control of us. These and other provisions may have the effect of deferring hostile takeovers or delaying changes in control or management of our company;

provide that the authorized number of directors may be changed only by resolution of the board of directors;

provide that all vacancies, including newly created directorships, shall, except as otherwise required by law or, if applicable, the rights of holders of a series of preferred stock, be filled exclusively by the affirmative vote of a majority of directors then in office, even if less than a quorum;

provide that any action required or permitted to be taken by the stockholders must be effected at a duly called annual or special meeting of stockholders and may not be effected by any consent in writing in lieu of a meeting of such stockholders, subject to the rights of the holders of any series of preferred stock with respect to such series;

provide that our bylaws may be amended by the stockholders only by the affirmative vote of the holders of at least two-thirds of our then outstanding common stock;

provide that special meetings of our stockholders may only be called by the board of directors;

provide that certain provisions of our certificate of incorporation may be amended by the affirmative vote of the holders of at least 75% of our then outstanding common stock;

provide that, subject to the rights of the preferred stockholders, if any, any director may be removed only for cause and upon the affirmative vote of the holders of at least 75% of our then outstanding common stock;

provide for our board of directors to be divided into three classes of directors, with each class as nearly equal in number as possible, serving staggered three year terms, other than directors which may be elected by holders of preferred stock, if any. This system of electing and removing directors may tend to discourage a third party from making a tender offer or otherwise attempting to obtain control of us, because it generally makes it more difficult for stockholders to replace a majority of the directors;

provide that we renounce any interest in certain business opportunities presented to American Securities LLC or any of its officers, directors, agents, members, affiliates and subsidiaries (other than business opportunities presented to such person in his or her capacity as an officer or director of the company) and that to the fullest extent permitted by law they have no obligation to offer us those opportunities, other than opportunities relating to hydraulic fracturing proppants; and

provide that our bylaws can be amended or repealed by the board of directors.

Forum Selection

Our amended and restated certificate of incorporation provides that unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will, to the fullest extent permitted by applicable law, be the sole and exclusive forum for:

any derivative action or proceeding brought on our behalf;

any action asserting a claim of breach of a fiduciary duty owed by any of our directors, officers, employees or agents to us or our stockholders;

any action asserting a claim against us arising pursuant to any provision of the DGCL, our amended and restated certificate of incorporation or our bylaws; or

any action asserting a claim against us that is governed by the internal affairs doctrine, in each such case subject to such Court of Chancery having personal jurisdiction over the indispensable parties named as defendants therein.

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Our amended and restated certificate of incorporation also provides that any person or entity purchasing or otherwise acquiring any interest in shares of our capital stock will be deemed to have notice of and to have consented to this forum selection provision. However, it is possible that a court could find our forum selection provision to be inapplicable or unenforceable.

Stockholders Agreement

On October 8, 2014, we amended and restated our stockholders agreement (the *Stockholders Agreement*) to, among certain other things, revise certain registration rights as described below.

Registration Rights. In accordance with the requirements of the *Stockholders Agreement*, we filed a shelf registration statement, of which this prospectus is a part. We are required to use our reasonable best efforts to keep the shelf registration statement effective until all of the shares of common stock described under *Selling Security Holders* have been sold in accordance with the means of distribution described under *Plan of Distribution* or can otherwise be freely sold under the Securities Act without registration.

Demand Rights. While the registration statement of which this prospectus is a part remains effective, certain major stockholders (or their permitted transferees), including ASP FML Holdings, LLC, have the right to require us to engage in an underwritten offering in respect of their shares.

Piggy-back Rights. If, at any time, subject to certain customary limitations and exceptions, we propose to conduct a registered offering of common stock for our own account or for the account of any third party, then we must give written notice to all holders entitled to registration rights who own common stock with an anticipated gross offering price of at least \$5 million to allow them to include a specified number of their shares in the offering.

Conditions and Limitations; Expenses. These registration rights are subject to certain conditions and limitations, including the right of the underwriters in any underwritten offering to limit the number of shares to be included in the offering and our right to delay or withdraw an offering under certain circumstances.

Limitation of Liability and Indemnification Matters

Our amended and restated certificate of incorporation limits the liability of our directors for monetary damages for breach of their fiduciary duty as directors, except for liability:

for any breach of their duty of loyalty to us or our stockholders;

for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law;

for unlawful payment of dividend or unlawful stock repurchase or redemption, as provided under Section 174 of the DGCL; or

for any transaction from which the director derived an improper personal benefit.

Any amendment, repeal or modification of these provisions will be prospective only and would not affect any limitation on liability of a director for acts or omissions that occurred prior to any such amendment, repeal or modification.

Our amended and restated certificate of incorporation and amended and restated bylaws also provide that we will indemnify and advance expenses to our directors and officers to the fullest extent permitted by Delaware law. Under Delaware law we may purchase insurance on behalf of any officer, director, employee or other agent for any liability arising out of that person's actions as our officer, director, employee or agent, regardless of whether Delaware law would permit indemnification. We entered into indemnification agreements with each of our current directors and officers. These agreements require us to indemnify these individuals to the fullest extent permitted under Delaware law against liability that may arise by reason of their service to us, and to

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advance expenses incurred as a result of any proceeding against them as to which they could be indemnified. We believe that the limitation of liability, indemnification and advancement of expenses provisions in our amended and restated certificate of incorporation and the indemnification agreements will facilitate our ability to continue to attract and retain qualified individuals to serve as directors and officers.

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company, LLC.

Listing

Our common stock is listed on the New York Stock Exchange under the symbol FMSA.

DESCRIPTION OF DEBT SECURITIES

The following description of the terms of the Debt Securities (as defined below) sets forth certain general terms and provisions of the Debt Securities to which any prospectus supplement may relate. The particular terms of the Debt Securities offered by any prospectus supplement and the extent, if any, to which such general provisions may apply to the Debt Securities so offered will be described in the prospectus supplement relating to such Debt Securities. Accordingly, for a description of the terms of a particular issue of Debt Securities, reference must be made to both the prospectus supplement relating thereto and to the following description.

The Debt Securities will be issued under an indenture (the Indenture) dated as of December 1, 2016, between us and The Bank Of New York Mellon Trust Company, N.A. (the Trustee). As used in this prospectus, Debt Securities means the debentures, notes, bonds and other evidences of indebtedness that we issue and the Trustee authenticates and delivers under the Indenture.

We have summarized certain terms and provisions of the Indenture in this section. The summary is not complete. The Indenture is also an exhibit to the registration statement that included this prospectus. You should read the Indenture for additional information before you buy any Debt Securities. The summary that follows includes references to section numbers of the Indenture so that you can more easily locate these provisions. Capitalized terms used but not defined in this summary have the meanings specified in the Indenture.

General

The Debt Securities will be our direct unsecured obligations. The Indenture does not limit the amount of Debt Securities that we may issue and permits us to issue Debt Securities from time to time. Debt Securities issued under the Indenture will be issued as part of a series that has been established by us pursuant to the Indenture (Section 2.01(b)). Unless a prospectus supplement relating to Debt Securities states otherwise, the Indenture and the terms of the Debt Securities will not contain any covenants designed to afford holders of any Debt Securities protection in a highly leveraged or other transaction involving us that may adversely affect holders of the Debt Securities.

A prospectus supplement relating to a series of Debt Securities being offered will include specific terms relating to the offering. These terms will include some or all of the following:

the title and type of the Debt Securities;

any limit on the total principal amount of the Debt Securities;

the price at which the Debt Securities will be issued;

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the date or dates on which the principal of and premium, if any, on the Debt Securities will be payable;

the maturity date of the Debt Securities;

if the Debt Securities will bear interest, and if so:

the interest rate on the Debt Securities,

the date from which interest will accrue,

the record and interest payment dates for the Debt Securities or the method of determining such rate,

the first interest payment date, and

any circumstances under which we may defer interest payments;

if the amount of principal, interest or premium, if any, with respect to the Debt Securities may be determined with reference to an index or pursuant to a formula, the manner in which such amounts will be determined;

any optional conversion provisions that would permit us or the Holders (as defined below) of Debt Securities to elect to convert the Debt Securities prior to their final maturity;

any optional redemption provisions that would permit us or the Holders (as defined below) of Debt Securities to elect redemption of the Debt Securities prior to their final maturity;

any sinking fund or analogous provisions that would obligate us to redeem, purchase or repay the Debt Securities prior to their final maturity;

the currency or currencies in which the Debt Securities will be denominated and payable, if other than U.S. dollars;

any provisions that would permit us or the Holders of the Debt Securities to elect the currency or currencies in which the Debt Securities are paid;

the extent to which the Debt Securities will be subordinated to our other debt;

any changes to or additional Events of Default (as defined below);

any changes to or additional covenants or provisions to the Indenture;

whether the Debt Securities will be issued in whole or in part in the form of Global Securities and, if so, the Depositary for those Global Securities (a *Global Security* means a Debt Security that we issue in accordance with the Indenture to represent all or part of a series of Debt Securities);

any material United States federal income tax consequences of the Debt Securities; and

any other terms of the Debt Securities (which terms shall not be prohibited by the provisions of the Indenture).

A *Holder* means the person in whose name a particular Security is registered in the Security Register (Section 1.01).

Payment and Transfer

In the prospectus supplement relating to a series of Debt Securities, we will designate a *Place of Payment* where you can receive payment of the principal of and any premium and interest on such Debt Securities or transfer such Debt Securities. There will be no service charge for any registration of transfer or exchange of the Debt Securities, but we may require you to pay any tax or other governmental charge payable in connection with a transfer or exchange of the Debt Securities.

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All funds which we pay to any paying agent for the payment of principal, interest or premium, if any, with respect to the Debt Securities that remain unclaimed at the end of two years after such principal, interest or premium shall have become due and payable will be repaid to us, and the holders of such Debt Securities will thereafter look only to us for payment thereof.

Denominations

Unless the prospectus supplement states otherwise, the Debt Securities will be issued only in registered form, without coupons, in denominations of \$1,000 each, or multiples of \$1,000.

Original Issue Discount

Debt Securities may be issued under the Indenture as Original Issue Discount Securities and sold at a substantial discount below their stated principal amount. If a Debt Security is an Original Issue Discount Security, that means that an amount less than the principal amount of the Debt Security will be due and payable upon a declaration of acceleration of the maturity of the Debt Security pursuant to the Indenture (Section 1.01). The prospectus supplement will describe the federal income tax consequences and other special factors which should be considered prior to purchasing any Original Issue Discount Securities.

Consolidation, Merger or Sale of Assets

The Indenture generally permits a consolidation or merger between us and another company. It also permits the sale or transfer by us of all or substantially all of our property and assets and the purchase by us of all or substantially all of the property and assets of another company. These transactions are permitted if:

the resulting or acquiring company (if other than us) is a U.S. corporation, partnership or trust which assumes, or has its parent company assume, all of our responsibilities and liabilities under the Indenture, including the payment of all amounts due on the Debt Securities and performance of the covenants in the Indenture; and

immediately after the transaction, no Event of Default exists.

If we consolidate or merge with or into any other corporation or sell all or substantially all of our assets according to the terms and conditions of the Indenture, the resulting or acquiring corporation will be substituted for us in the Indenture with the same effect as if it had been an original party to the Indenture. As a result, the successor corporation may exercise our rights and powers under the Indenture, in our name or in its own name and we will be released from all our liabilities and obligations under the Indenture and under the Debt Securities (Sections 11.01(a) and (b)).

Satisfaction and Discharge; Defeasance and Covenant Defeasance

The following discussion of satisfaction and discharge, defeasance and covenant defeasance will be applicable to a series of Debt Securities only if we choose to have them apply to that series. If we do so choose, we will state that in the applicable prospectus supplement.

Satisfaction and Discharge. The Indenture will be satisfied and discharged if:

we deliver to the Trustee all Debt Securities then outstanding for cancellation; or

all Debt Securities not delivered to the Trustee for cancellation have become due and payable, are to become due and payable within one year upon their stated maturity or are to be called for redemption within one year and we deposit an amount sufficient to pay the principal, premium, if any, and interest to the date of maturity or redemption as applicable, or deposit (in the case of Debt Securities that have become due and payable), provided that in either case we have paid all other sums payable under the Indenture.

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Defeasance and Covenant Defeasance. The Indenture provides, if such provision is made applicable to the Debt Securities of a series, that:

we may elect either:

to defease and be discharged from any and all obligations with respect to any Debt Security of such series (except for the obligations to register the transfer or exchange of such Debt Security, to replace temporary or mutilated, destroyed, lost or stolen Debt Securities, to maintain an office or agency in respect of the Debt Securities and to hold moneys for payment in trust) (defeasance); or

to be released from our obligations with respect to certain restrictive covenants that may be applicable for a particular series; and

that the Events of Default described in the third, fourth (only with respect to those restrictive covenants that no longer apply) and sixth bullets under Events of Default, shall not be Events of Default under the Indenture with respect to such series (covenant defeasance), upon the deposit with the Trustee (or other qualifying trustee), in trust for such purpose, of money and/or certain U.S. government obligations which through the payment of principal and interest in accordance with their terms will provide money, in an amount sufficient to pay the principal of (and premium, if any) and interest on such Debt Security, on the scheduled due dates.

In the case of defeasance, the holders of such Debt Securities are entitled to receive payments in respect of such Debt Securities solely from such trust. Such a trust may only be established if, among other things, we have delivered to the Trustee an opinion of counsel (as specified in the Indenture) to the effect that the holders of the Debt Securities affected thereby will not recognize income, gain or loss for federal income tax purposes as a result of such defeasance or covenant defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such defeasance or covenant defeasance had not occurred. Such opinion of counsel, in the case of defeasance described above, must refer to and be based upon a ruling of the Internal Revenue Service or a change in applicable federal income tax law occurring after the date of the Indenture.

Modification and Waiver

Under the Indenture, certain of our rights and obligations and certain of the rights of Holders of the Debt Securities may be modified or amended with the consent of the Holders of a majority in aggregate principal amount of the outstanding Debt Securities of each series of Debt Securities affected by the modification or amendment. The following modifications and amendments will not be effective against any Holder of any outstanding Debt Security affected thereby without its consent:

a change in the stated maturity date of any payment of principal or interest;

a reduction in the principal amount, in the rate of interest or in any premium payable upon redemption;

a reduction in the principal amount of an Original Issue Discount Security that would be due and payable upon a declaration of acceleration of the maturity of a Debt Security pursuant to the Indenture;

a change in the Place of Payment or currency in which any payment on the Debt Securities is payable;

an impairment of a Holder's right to sue us for the enforcement of certain payments due on the Debt Securities;

a reduction in the percentage of outstanding Debt Securities required to consent to a modification, waiver or amendment of the Indenture;

a modification with respect to the subordination of any Debt Security in a manner that adversely affects the rights of any Holder; and

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a modification of any of the foregoing requirements or a reduction in the percentage in principal amount of outstanding Debt Securities required to waive compliance with certain provisions of the Indenture or to waive certain defaults under the Indenture (Section 10.02).

Events of Default

The term **Event of Default** when used in the Indenture with respect to any series of Debt Securities, means any of the following:

failure to pay interest (including defaulted interest, if any) on any Debt Security of that series when due, and continuance of such default for a period of 30 days;

failure to pay the principal of or any premium on any Debt Security of that series when due;

failure to make any sinking fund payment when and as due by the terms of a Debt Security of that series, and continuance of such default for a period of 60 days;

default in the performance, or breach, of any covenant or warranty of the Company in the Indenture (other than a covenant or warranty, a default in the performance or breach of which is elsewhere specifically dealt with or which has expressly been included in the Indenture solely for the benefit of one or more series of Debt Securities other than that series), and continuance of such default or breach for a period of 90 calendar days after there has been given and actually received by the Company a Notice of Default (as defined in the Indenture) with respect to such default or breach;

certain events in bankruptcy, insolvency or reorganization; or

any other Event of Default that may be specified for the Debt Securities of that series when that series is created (Section 8.01(a)).

If an Event of Default (other than the Event of Default referred to in the fifth bullet above) for any series of Debt Securities occurs and continues, the Trustee or the Holders of at least 25% in aggregate principal amount of the outstanding Debt Securities of the series may declare the entire principal of all the Debt Securities of that series to be due and payable immediately. If such a declaration occurs, the Holders of a majority of the aggregate principal amount of the outstanding Debt Securities of that series can, subject to certain conditions, rescind the declaration. Upon the occurrence of the Event of Default referred to in the fifth bullet above the entire principal of, and interest and premium (if any) on, all the Debt Securities of each series shall be due and payable immediately without any declaration or other act on the part of the Trustee or any Holder (Section 8.01(b) and (c)).

The prospectus supplement relating to each series of Debt Securities that are Original Issue Discount Securities will describe the particular provisions that relate to the acceleration of maturity of a portion of the principal amount of such series when an Event of Default occurs and continues.

An Event of Default for a particular series of Debt Securities does not necessarily constitute an Event of Default for any other series of Debt Securities issued under the Indenture. The Indenture requires us to file an Officers Certificate with the Trustee each fiscal year that states that certain defaults do not exist under the terms of the Indenture (Section 6.05).

Other than its duties in the case an Event of Default has occurred and is continuing, a Trustee is not obligated to exercise any of its rights or powers under the Indenture at the request or direction of any Holders, unless the Holders offer the Trustee indemnification satisfactory to it (Section 9.02(e)). If such indemnification is provided, then, subject to certain other rights of the Trustee, the Holders of a majority in principal amount of the outstanding Debt Securities of any series may, with respect to the Debt Securities of that series, direct the time, method and place of:

conducting any proceeding for any remedy available to the Trustee; or

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exercising any trust or power conferred upon the Trustee (Section 8.06).

The Holder of a Debt Security of any series will have the right to begin any proceeding with respect to the Indenture or for any other remedy under the Indenture (including the appointment of a receiver or trustee), only if:

the Holder has previously given the Trustee written notice of a continuing Event of Default with respect to the Debt Securities of that series;

the Holders of at least 25% in aggregate principal amount of the outstanding Debt Securities of that series have made a written request of, and offered satisfactory indemnification to, the Trustee to begin such proceeding;

the Holders have offered the Trustee indemnification to the Trustee's satisfaction with respect to compliance with the request;

the Trustee has not started such proceeding within 60 days after receiving the request; and

the Trustee has not received directions inconsistent with such request from the Holders of a majority in aggregate principal amount of the outstanding Debt Securities of that series during those 60 days (Section 8.04).

However, the Holder of any Debt Security will have an absolute right to receive payment of principal of and any premium and interest on the Debt Security when due and to institute suit to enforce such payment (Section 8.09).

Street Name and Other Indirect Holders

Investors who hold securities in accounts at banks or brokers generally will not be recognized by us as legal Holders of Debt Securities. This is called holding in Street Name. Instead, we would recognize only the bank or broker, or the financial institution that the bank or broker uses to hold its securities. These intermediary banks, brokers and other financial institutions pass along principal, interest and other payments on the Debt Securities, either because they agree to do so in their customer agreements or because they are legally required to. If you hold Debt Securities in Street Name, you should check with your own institution to find out:

how it handles payments and notices;

whether it imposes fees or charges;

how it would handle voting if applicable;

whether and how you can instruct it to send you Debt Securities registered in your own name so you can be a direct Holder as described below; and

if applicable, how it would pursue rights under your Debt Securities if there were a default or other event triggering the need for Holders to act to protect their interests.

Direct Holders

Our obligations, as well as the obligations of the Trustee under the Indenture and those of any third parties employed by us or the Trustee under the Indenture, run only to persons who are registered as Holders of Debt Securities issued under the Indenture. As noted above, we do not have obligations to you if you hold in Street Name or other indirect means, either because you choose to hold Debt Securities in that manner or because the Debt Securities are issued in the form of global securities as described below. For example, once we make payment to the registered Holder, we have no further responsibility for the payment even if that Holder is legally required to pass the payment along to you as a Street Name customer but does not do so.

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Book-Entry, Delivery and Form

We have obtained the information in this section concerning DTC, Clearstream Banking S.A., or Clearstream, and Euroclear Bank S.A./N.V., as operator of the Euroclear System, or Euroclear, and the book-entry system and procedures from sources that we believe to be reliable, but we take no responsibility for the accuracy of this information.

Unless otherwise specified in the applicable prospectus supplement, the Debt Securities will be issued as fully-registered global securities which will be deposited with, or on behalf of, DTC and registered, at the request of DTC, in the name of Cede & Co. Beneficial interests in the global securities will be represented through book-entry accounts of financial institutions acting on behalf of beneficial owners as direct or indirect participants in DTC. The direct and indirect participants will remain responsible for keeping account of their holdings on behalf of their customers. Investors may elect to hold their interests in the global securities through either DTC (in the United States) or (in Europe) through Clearstream or through Euroclear. Investors may hold their interests in the global securities directly if they are participants of such systems, or indirectly through organizations that are participants in these systems. Interests held through Clearstream and Euroclear will be recorded on DTC's books as being held by the U.S. depository for each of Clearstream and Euroclear (the U.S. Depositories), which U.S. Depositories will, in turn, hold interests on behalf of their participants' customers' securities accounts. Unless otherwise specified in the applicable prospectus supplement, beneficial interests in the global securities will be held in denominations of \$1,000 and multiples of \$1,000 in excess thereof. Except as set forth below, the global securities may be transferred, in whole and not in part, only to another nominee of DTC or to a successor of DTC or its nominee.

Debt Securities represented by a global security can be exchanged for definitive securities in registered form only if:

DTC notifies us that it is unwilling or unable to continue as depository for that global security and we do not appoint a qualified successor depository within 90 days after receiving that notice;

at any time DTC ceases to be a clearing agency registered under the Exchange Act and we do not appoint a successor depository within 90 days after becoming aware that DTC has ceased to be registered as a clearing agency;

we in our sole discretion determine that such global security will be exchangeable for definitive securities in registered form or elect to terminate the book-entry system through DTC and notify the trustee of our decision; or

an event of default with respect to the Debt Securities represented by that global security has occurred and is continuing.

A global security that can be exchanged as described in the preceding sentence will be exchanged for definitive securities issued in authorized denominations in registered form for the same aggregate amount. The definitive securities will be registered in the names of the owners of the beneficial interests in the global security as directed by DTC.

We will make principal and interest payments on all Debt Securities represented by a global security to the paying agent which in turn will make payment to DTC or its nominee, as the case may be, as the sole registered owner and the sole holder of the Debt Securities represented by a global security for all purposes under the Indenture. Accordingly, we, the trustee and any paying agent will have no responsibility or liability for:

any aspect of DTC's records relating to, or payments made on account of, beneficial ownership interests in a Debt Security represented by a global security;

any other aspect of the relationship between DTC and its participants or the relationship between those participants and the owners of beneficial interests in a global security held through those participants; or

the maintenance, supervision or review of any of DTC's records relating to those beneficial ownership interests.

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DTC has advised us that its current practice is to credit direct participants' accounts on each payment date with payments in amounts proportionate to their respective beneficial interests in the principal amount of such global security as shown on DTC's records, upon DTC's receipt of funds and corresponding detail information. The underwriters or agents for the Debt Securities represented by a global security will initially designate the accounts to be credited. Payments by participants to owners of beneficial interests in a global security will be governed by standing instructions and customary practices, as is the case with securities held for customer accounts registered in street name, and will be the sole responsibility of those participants, and not of DTC or its nominee, the trustee, any agent of ours, or us, subject to any statutory or regulatory requirements. Book-entry notes may be more difficult to pledge because of the lack of a physical note.

DTC

So long as DTC or its nominee is the registered owner of a global security, DTC or its nominee, as the case may be, will be considered the sole owner and holder of the Debt Securities represented by that global security for all purposes of the Debt Securities. Owners of beneficial interests in the Debt Securities will not be entitled to have Debt Securities registered in their names, will not receive or be entitled to receive physical delivery of the Debt Securities in definitive form and will not be considered owners or holders of Debt Securities under the Indenture. Accordingly, each person owning a beneficial interest in a global security must rely on the procedures of DTC and, if that person is not a DTC participant, on the procedures of the participant through which that person owns its interest, to exercise any rights of a holder of Debt Securities. The laws of some jurisdictions may require that certain purchasers of securities take physical delivery of the securities in certificated form. These laws may impair the ability to transfer beneficial interests in a global security. Beneficial owners may experience delays in receiving distributions on their Debt Securities since distributions will initially be made to DTC and must then be transferred through the chain of intermediaries to the beneficial owner's account.

We understand that, under existing industry practices, if we request holders to take any action, or if an owner of a beneficial interest in a global security desires to take any action which a holder is entitled to take under the Indenture, then DTC would authorize the participants holding the relevant beneficial interests to take that action and those participants would authorize the beneficial owners owning through such participants to take that action or would otherwise act upon the instructions of beneficial owners owning through them.

Beneficial interests in a global security will be shown on, and transfers of those ownership interests will be effected only through, records maintained by DTC and its participants for that global security. The conveyance of notices and other communications by DTC to its participants and by its participants to owners of beneficial interests in the Debt Securities will be governed by arrangements among them, subject to any statutory or regulatory requirements in effect.

DTC has advised us that it is a limited-purpose trust company organized under the New York banking law, a banking organization within the meaning of the New York Banking Law, a member of the Federal Reserve System, a clearing corporation within the meaning of the New York Uniform Commercial Code and a clearing agency registered under the Exchange Act. DTC is a wholly owned subsidiary of The Depository Trust & Clearing Corporation (DTCC). DTCC is the holding company for DTC, National Securities Clearing Corporation and Fixed Income Clearing Corporation, all of which are registered clearing agencies. DTCC is owned by the users of its regulated subsidiaries.

DTC holds the securities of its participants and facilitates the clearance and settlement of securities transactions among its participants in such securities through electronic book-entry changes in accounts of its participants. The electronic book-entry system eliminates the need for physical certificates. DTC's participants include securities brokers and dealers, including underwriters, banks, trust companies, clearing corporations and certain other organizations,

some of which, and/or their representatives, own DTCC. Banks, brokers, dealers,

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trust companies and others that clear through or maintain a custodial relationship with a participant, either directly or indirectly, also have access to DTC's book-entry system. The rules applicable to DTC and its participants are on file with the SEC.

DTC has advised us that the above information with respect to DTC has been provided to its participants and other members of the financial community for informational purposes only and is not intended to serve as a representation, warranty or contract modification of any kind.

Clearstream

Clearstream has advised us that it is incorporated under the laws of Luxembourg as an international clearing system. Clearstream holds securities for its participating organizations, or Clearstream Participants, and facilitates the clearance and settlement of securities transactions between Clearstream Participants through electronic book-entry changes in accounts of Clearstream Participants, thereby eliminating the need for physical movement of certificates. Clearstream provides to Clearstream Participants, among other things, services for safekeeping, administration, clearance and settlement of internationally traded securities and securities lending and borrowing. Clearstream interfaces with domestic securities markets in several countries. As a professional depository, Clearstream is subject to regulation by the Luxembourg Commission for the Supervision of the Financial Sector (Commission de Surveillance du Secteur Financier). Clearstream Participants are recognized financial institutions around the world, including underwriters, securities brokers and dealers, banks, trust companies, clearing corporations and certain other organizations. Clearstream's U.S. Participants are limited to securities brokers and dealers and banks. Indirect access to Clearstream is also available to others, such as banks, brokers, dealers and trust companies that clear through or maintain a custodial relationship with a Clearstream Participant either directly or indirectly.

Distributions with respect to Debt Securities held beneficially through Clearstream will be credited to cash accounts of Clearstream Participants in accordance with its rules and procedures, to the extent received by the U.S. Depository for Clearstream.

Euroclear

Euroclear has advised us that it was created in 1968 to hold securities for participants of Euroclear, or Euroclear Participants, and to clear and settle transactions between Euroclear Participants through simultaneous electronic book-entry delivery against payment, thereby eliminating the need for physical movement of certificates and any risk from lack of simultaneous transfers of securities and cash. Euroclear performs various other services, including securities lending and borrowing and interacts with domestic markets in several countries. Euroclear is operated by Euroclear Bank S.A./N.V., or the Euroclear Operator, under contract with Euroclear plc, a U.K. corporation. All operations are conducted by the Euroclear Operator, and all Euroclear securities clearance accounts and Euroclear cash accounts are accounts with the Euroclear Operator, not Euroclear plc. Euroclear plc establishes policy for Euroclear on behalf of Euroclear Participants. Euroclear Participants include banks, including central banks, securities brokers and dealers and other professional financial intermediaries. Indirect access to Euroclear is also available to other firms that clear through or maintain a custodial relationship with a Euroclear Participant, either directly or indirectly. Euroclear is an indirect participant in DTC.

The Euroclear Operator is a Belgian bank. As such, it is regulated by the Belgian Banking and Finance Commission and the National Bank of Belgium.

Securities clearance accounts and cash accounts with the Euroclear Operator are governed by the Terms and Conditions Governing Use of Euroclear and the related Operating Procedures of the Euroclear System, and applicable

Belgian law, which we will refer to herein as the Terms and Conditions. The Terms and Conditions govern transfers of securities and cash within Euroclear, withdrawals of securities and cash from Euroclear, and receipts of payments with respect to securities in Euroclear. All securities in Euroclear are held on

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a fungible basis without attribution of specific certificates to specific securities clearance accounts. The Euroclear Operator acts under the Terms and Conditions only on behalf of Euroclear Participants, and has no record of or relationship with persons holding through Euroclear Participants.

Distributions with respect to Debt Securities held beneficially through Euroclear will be credited to the cash accounts of Euroclear Participants in accordance with the Terms and Conditions, to the extent received by the Euroclear Operator.

Euroclear has further advised us that investors that acquire, hold and transfer interests in the Debt Securities by book-entry through accounts with the Euroclear Operator or any other securities intermediary are subject to the laws and contractual provisions governing their relationship with such intermediary, as well as the laws and contractual provisions governing the relationship between such an intermediary and each other intermediary, if any, standing between themselves and the global securities.

Global Clearance and Settlement Procedures

Unless otherwise specified in the applicable prospectus supplement, initial settlement for the Debt Securities will be made in immediately available funds. Secondary market trading between DTC participants will occur in the ordinary way in accordance with DTC rules and will be settled in immediately available funds using DTC's Same-Day Funds Settlement System. Secondary market trading between Clearstream Participants and/or Euroclear Participants will occur in the ordinary way in accordance with the applicable rules and operating procedures of Clearstream and Euroclear and will be settled using the procedures applicable to conventional eurobonds in immediately available funds.

Cross-market transfers between persons holding directly or indirectly through DTC, on the one hand, and directly or indirectly through Clearstream Participants or Euroclear Participants, on the other, will be effected through DTC in accordance with DTC rules on behalf of the relevant European international clearing system by its U.S. Depository; however, such cross-market transactions will require delivery of instructions to the relevant European international clearing system by the counterparty in such system in accordance with its rules and procedures and within its established deadlines (European time). The relevant European international clearing system will, if the transaction meets its settlement requirements, deliver instructions to its U.S. Depository to take action to effect final settlement on its behalf by delivering or receiving Debt Securities through DTC, and making or receiving payment in accordance with normal procedures for same-day funds settlement applicable to DTC. Clearstream Participants and Euroclear Participants may not deliver instructions directly to their respective U.S. Depositories.

Because of time-zone differences, credits of Debt Securities received through Clearstream or Euroclear as a result of a transaction with a DTC participant will be made during subsequent securities settlement processing and dated the business day following the DTC settlement date. Such credits or any transactions in such Debt Securities settled during such processing will be reported to the relevant Euroclear Participants or Clearstream Participants on such business day. Cash received in Clearstream or Euroclear as a result of sales of Debt Securities by or through a Clearstream Participant or a Euroclear Participant to a DTC participant will be received with value on the DTC settlement date but will be available in the relevant Clearstream or Euroclear cash account only as of the business day following settlement in DTC.

If the Debt Securities are cleared only through Euroclear and Clearstream (and not DTC), you will be able to make and receive through Euroclear and Clearstream payments, deliveries, transfers, exchanges, notices, and other transactions involving any securities held through those systems only on days when those systems are open for business. Those systems may not be open for business on days when banks, brokers, and other institutions are open

for business in the United States. In addition, because of time-zone differences, U.S. investors who hold their interests in the securities through these systems and wish to transfer their interests, or to receive or make a payment or delivery or exercise any other right with respect to their interests, on a particular

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day may find that the transaction will not be effected until the next business day in Luxembourg or Brussels, as applicable. Thus, U.S. investors who wish to exercise rights that expire on a particular day may need to act before the expiration date.

Although DTC, Clearstream and Euroclear have agreed to the foregoing procedures in order to facilitate transfers of Debt Securities among participants of DTC, Clearstream and Euroclear, they are under no obligation to perform or continue to perform such procedures and such procedures may be modified or discontinued at any time. Neither we nor any paying agent will have any responsibility for the performance by DTC, Euroclear or Clearstream or their respective direct or indirect participants of their obligations under the rules and procedures governing their operations.

What is a Global Security?

A global security is a special type of indirectly held Debt Security as described above under Street Name and Other Indirect Holders. If we choose to issue Debt Securities in the form of global securities, the ultimate beneficial owners can only hold the Debt Securities in Street Name. We would do this by requiring that the global security be registered in the name of a financial institution we select and by requiring that the Debt Securities included in the global security not be transferred to the name of any other direct Holder unless the special circumstances described below occur. The financial institution that acts as the sole direct Holder of the global security is called the depository. Any person wishing to own a Debt Security issued in the form of a global security must do so indirectly by virtue of an account with a broker, bank or other financial institution that in turn has an account with the depository. The applicable prospectus supplement will indicate whether a series of Debt Securities will be issued only in the form of global securities and, if so, will describe the specific terms of the arrangement with the depository.

Special Investor Considerations for Global Securities

As an indirect holder, an investor's rights relating to a global security will be governed by the account rules of the investor's financial institution and of the depository, as well as general laws relating to securities transfers. We do not recognize this type of investor as a holder of Debt Securities and instead deal only with the depository that holds the global security.

An investor should be aware that if a series of Debt Securities are issued only in the form of global securities:

the investor cannot get Debt Securities of that series registered in his or her own name;

the investor cannot receive physical certificates for his or her interest in the Debt Securities of that series;

the investor will be a Street Name holder and must look to his or her own bank or broker for payments on the Debt Securities of that series and protection of his or her legal rights relating to the Debt Securities of that series, as described under Street Name and Other Indirect Holders ;

the investor may not be able to sell interests in the Debt Securities of that series to some insurance companies and other institutions that are required by law to own their securities in the form of physical certificates; and

the depositary's policies will govern payments, transfers, exchange and other matters relating to the investor's interest in the global security. We and the Trustee have no responsibility for any aspect of the depositary's actions or for its records of ownership interests in the global security. We and the Trustee also do not supervise the depositary in any way.

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Special Situations When The Global Security Will be Terminated

In a few special situations, a global security will terminate, and interests in it will be exchanged for physical certificates representing Debt Securities. After that exchange, the choice of whether to hold Debt Securities directly or in Street Name will be up to the investor. Investors must consult their own bank or brokers to find out how to have their interests in Debt Securities transferred to their own name, so that they will be direct Holders. The rights of Street Name investors and direct Holders in Debt Securities have been previously described in subsections entitled Street Name and Other Indirect Holders and Direct Holders.

The special situations for termination of a global security are:

when the depository notifies us that it is unwilling, unable or no longer qualified to continue as depository, and we do not appoint a successor depository;

when an Event of Default on the series of Debt Securities has occurred and has not been cured; and

at any time if we decide to terminate a global security.

The applicable prospectus supplement may also list additional situations for terminating a global security that would apply only to the particular series of Debt Securities covered by the prospectus supplement. When a global security terminates, only the depository is responsible for deciding the names of the institutions that will be the initial direct Holders.

DESCRIPTION OF WARRANTS

The following description, together with the additional information that we include in any applicable prospectus supplements and in any related free writing prospectus that we may authorize to be distributed to you, summarizes the material terms and provisions of the warrants that we may offer under this prospectus. While the terms we have summarized below will apply generally to any warrants that we may offer under this prospectus, we will describe the particular terms of any warrants in more detail in the applicable prospectus supplement. The terms of any warrants offered under a prospectus supplement may differ from the terms described below.

We will file as exhibits to the registration statement of which this prospectus is a part, or will incorporate by reference from reports that we file with the SEC, the form of warrant agreement that describes the terms of the warrants we are offering, and any supplemental agreements, before the issuance of the related warrants. The following summaries of material terms and provisions of the warrants are subject to, and qualified in their entirety by reference to, all the provisions of the warrant agreement and any supplemental agreements applicable to a particular warrant. We urge you to read the applicable prospectus supplements related to the particular warrants that we may offer under this prospectus, as well as any related free writing prospectuses and the complete warrant agreement and any supplemental agreements that contain the terms of the warrants.

We may issue (either separately or together with other offered securities) warrants to purchase underlying debt securities, preferred stock, common stock or any combination thereof issued by us (offered warrants). Such warrants may be issued independently or together with any such securities and may be attached or separate from the securities. We may issue the warrants under separate warrant agreements (each a warrant agreement) to be entered into between

us and a bank or trust company, as warrant agent (the warrant agent), identified in the prospectus supplement. The warrant agent will act solely as our agent and will not assume any obligation or relationship of agency for or with holders of beneficial owners of warrants.

General

You should read the prospectus supplement for the material terms of the offered warrants, including the following:

the title and aggregate number of the warrants.

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the title, rank, aggregate principal amount and terms of the underlying debt securities, preferred stock or common stock purchasable upon exercise of the warrants.

the principal amount of underlying debt securities, preferred stock or common stock that may be purchased upon exercise of each warrant, and the price or the manner of determining the price at which this principal amount may be purchased upon exercise.

the currency or currencies, including composite currencies, in which the price of such warrants may be payable.

the price at which and the currencies, including composite currencies, in which the securities purchasable upon exercise of such warrants shall commence and the date on which such right will expire.

if applicable, the minimum or maximum amount of such warrants which may be exercised at any one time.

if applicable, the title, rank, aggregate principal amount and terms of the securities with which such warrants are issued and the number of such warrants issued with each such security.

if applicable, the date on and after which such warrants and related securities will be separately transferable.

any optional redemption terms.

whether certificates evidencing the warrants will be issued in registered or bearer form and, if registered, where they may be transferred and exchanged.

any other material terms of the warrants.

The prospectus supplement will also contain a discussion of the United States federal income tax considerations relevant to the offering.

Warrant certificates will be exchangeable for new warrant certificates of different denominations. No service charge will be imposed for any permitted transfer or exchange of warrant certificates, but we may require payment of any tax or other governmental charge payable in connection therewith. Warrants may be exercised and exchanged and warrants in registered form may be presented for registration of transfer at the corporate trust office of the warrant agent or any other office indicated in the prospectus supplement or term sheet.

Exercise of Warrants

Each offered warrant will entitle the holder thereof to purchase the amount of underlying debt securities, preferred stock, common stock or any combination thereof at the exercise price set forth in, or calculable from, the prospectus

supplement relating to the offered warrants. After the close of business on the expiration date, unexercised warrants will be void.

Warrants may be exercised by payment to the warrant agent of the applicable exercise price and by delivery to the warrant agent of the related warrant certificate, properly completed. Warrants will be deemed to have been exercised upon receipt of the exercise price and the warrant certificate or certificates. Upon receipt of this payment and the properly completed warrant certificates, we will, as soon as practicable, deliver the amount of underlying debt securities, preferred stock, common stock or any combination thereof purchased upon exercise.

If fewer than all of the warrants represented by any warrant certificate are exercised, a new warrant certificate will be issued for the unexercised warrants. The holder of a warrant will be required to pay any tax or other governmental charge that may be imposed in connection with any transfer involved in the issuance of underlying debt securities, preferred stock, common stock or other combination thereof purchased upon exercise.

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Amendments and Supplements to Warrant Agreement

We and the warrant agent may amend or supplement the warrant agreement for a series of warrants without the consent of the holders of the warrants issued thereunder to effect changes that are not inconsistent with the provisions of the warrants and that do not materially and adversely affect the interests of the holders of the warrants.

No Rights as Holders of Underlying Debt Securities, Preferred Stock or Common Stock

Before the warrants are exercised, holders of the warrants are not entitled to payments of principal of, premium, if any, or interest on the related underlying debt securities and dividends on the preferred stock, common stock or any combination thereof, as applicable, or to exercise any rights whatsoever as holders of the underlying debt securities, preferred stock or common stock.

DESCRIPTION OF UNITS

The following description, together with the additional information that we include in any applicable prospectus supplements and in any related free writing prospectus that we may authorize to be distributed to you, summarizes the material terms and provisions of the units that we may offer under this prospectus. While the terms we have summarized below will apply generally to any units that we may offer under this prospectus, we will describe the particular terms of any series of units in more detail in the applicable prospectus supplement. The terms of any units offered under a prospectus supplement may differ from the terms described below.

We will file as exhibits to the registration statement of which this prospectus is a part, or will incorporate by reference from reports that we file with the SEC, the form of unit agreement that describes the terms of the series of units we are offering, and any supplemental agreements, before the issuance of the related series of units. The following summaries of material terms and provisions of the units are subject to, and qualified in their entirety by reference to, all the provisions of the unit agreement and any supplemental agreements applicable to a particular series of units. We urge you to read the applicable prospectus supplements related to the particular series of units that we may offer under this prospectus, as well as any related free writing prospectuses and the complete unit agreement and any supplemental agreements that contain the terms of the units.

General

We may issue units comprised of one or more of the securities offered hereby in any combination. Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit. Thus, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

We will describe in the applicable prospectus supplement the terms of the series of units being offered, including:

the designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;

any provisions of the governing unit agreement that differ from those described below; and

any provisions for the issuance, payment, settlement, transfer or exchange of the units or of the securities comprising the units.

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The provisions described in this section, as well as those described under Description of Capital Stock, Description of Debt Securities, Description of Warrants and Description of Purchase Contracts will apply to each unit and to any common stock, preferred stock, debt security, purchase contract or warrant included in each unit, respectively.

Issuance in Series

We may issue units in such amounts and in such numerous distinct series as we determine.

Enforceability of Rights by Holders of Units

Each unit agent will act solely as our agent under the applicable unit agreement and will not assume any obligation or relationship of agency or trust with any holder of any unit. A single bank or trust company may act as unit agent for more than one series of units. A unit agent will have no duty or responsibility in case of any default by us under the applicable unit agreement or unit, including any duty or responsibility to initiate any proceedings at law or otherwise, or to make any demand upon us. Any holder of a unit may, without the consent of the related unit agent or the holder of any other unit, enforce by appropriate legal action its rights as holder under any security included in the unit.

Title

We, and any unit agent and any of their agents, may treat the registered holder of any unit certificate as an absolute owner of the units evidenced by that certificate for any purpose and as the person entitled to exercise the rights attaching to the units so requested, despite any notice to the contrary.

DESCRIPTION OF PURCHASE CONTRACTS

We will set forth in the applicable prospectus supplement a description of any purchase contracts that may be offered pursuant to this prospectus.

SELLING SECURITY HOLDERS

Up to 71,156,628 shares of common stock are being offered by this prospectus, all of which are being offered for resale for the account of the selling security holders. The selling security holders may, from time to time, offer and sell pursuant to this prospectus any or all of the shares of common stock being registered. When we refer to the selling security holders in this prospectus, we mean the security holder specifically identified in the table below, as well as the donees, pledgees, transferees or other successors-in-interest who later come to hold any of such selling security holder's interests other than through a public sale. Any permitted donee, pledgee, transferee or other successor-in-interest that intend to offer or sell securities through this prospectus will be named in a prospectus supplement, if required.

We cannot advise you as to whether the selling security holders will in fact sell any or all of the securities being registered. In addition, the selling security holders may have sold, transferred or otherwise disposed of, or may sell, transfer or otherwise dispose of, at any time and from time to time, the securities in transactions exempt from the registration requirements of the Securities Act after the date on which they provided the information set forth in the table below.

To the extent that any of the selling security holders may be deemed to be an affiliate of a broker-dealer, (1) any such selling security holder purchased the securities being registered for resale in the ordinary course of business; and (2) at the time of purchase of the securities being registered for resale, the selling security holder had no agreements or

understanding, directly or indirectly, with any person, to distribute the securities.

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All information with respect to common stock ownership of the selling security holders has been furnished by or on behalf of the selling security holders. We believe, based on information supplied by the selling security holders, that except as may otherwise be indicated in the footnotes to the table below, the selling security holders have sole voting and dispositive power with respect to the common stock reported as beneficially owned by them. Because the selling security holders identified in the table may sell some or all of the shares owned by them which are included in this prospectus, and because there are currently no agreements, arrangements or understandings with respect to the sale of any of the shares of common stock, no estimate can be given as to the number of shares of common stock, (or the percentage of our outstanding common stock) that will be held by the selling security holders upon termination of this offering. In addition, the selling security holders may have sold, transferred or otherwise disposed of, or may sell, transfer or otherwise dispose of, at any time and from time to time, the shares of common stock they hold in transactions exempt from the registration requirements of the Securities Act after the date on which they provided the information set forth on the table below. We have, therefore, assumed for the purposes of the following table, that the selling security holders will sell all of the shares owned beneficially by them that are covered by this prospectus.

Name of Beneficial Owner	Shares Beneficially Owned Before this Offering		Shares Offered Hereby	Shares Beneficially Owned After this Offering	
	Number	Percentage(1)		Number	Percentage
ASP FML Holdings, LLC(2)	71,156,628	31.9%	71,156,628	0	0%

- (1) For purposes of this table, information as to the percentage of shares beneficially owned is calculated based on 222,890,868 shares of our common stock outstanding as of November 21, 2016.
- (2) Represents shares held by ASP FML Holdings, LLC, a Delaware limited liability company referred to as ASP FML Holdings. American Securities Partners V, L.P., American Securities Partners V(B), L.P. and American Securities Partners V(C), L.P., collectively referred to as the ASP Sponsors, are owners of approximately 74% of the limited liability company interests of ASP FML Investco, LLC, a Delaware limited liability company, referred to as ASP FML Investco. ASP FML Co-Invest I, LLC, a Delaware limited liability company referred to as ASP FML Co-Invest I, is the owner of approximately 26% of the limited liability company interests of ASP FML Investco. ASP FML Investco is the owner of approximately 89% of the limited liability company interests of ASP FML Holdings. American Securities Associates V, LLC, a Delaware limited liability company referred to as ASA V, is the general partner of each ASP Sponsor. American Securities LLC, a New York limited liability company referred to as American Securities, provides investment advisory services to each ASP Sponsor and to ASA V, and is the owner of 100% of the issued and outstanding shares of ASP Manager Corp., the manager of each of ASP FML Holdings, ASP FML Investco and ASP FML Co-Invest I. As such, American Securities may be deemed to have indirect beneficial ownership of the shares held by ASP FML Holdings. The address for ASP FML Holdings is c/o American Securities LLC, 299 Park Avenue, 34th Floor, New York, NY 10171. Each of Messrs. Michael G. Fisch and Michael E. Sand, members of our Board of Directors since 2015 and 2010, respectively, may be deemed to have shared voting and investment power over the shares held by ASP FML Holdings. Mr. Fisch and Mr. Sand each disclaim beneficial ownership of the shares of our common stock held by ASP FML Holdings, except to the extent of their respective pecuniary interests therein. Additionally, (a) David L. Horing and Michael G. Fisch, in their capacities as the managing members of ASA V, and (b) Michael G. Fisch, in his capacity as trustee of The Michael G. Fisch 2006 Revocable Trust, which is the manager of ASCP, LLC, which is the managing member of American Securities, may be deemed to have shared voting and investment power over the shares held by ASP FML Holdings. Mr. Horing and Mr. Fisch each disclaim beneficial ownership of the shares of our common stock held by ASP FML Holdings, except to the extent of their respective pecuniary

interests therein.

Information regarding any additional selling security holders, where applicable, will be set forth in a prospectus supplement, in a post-effective amendment to the registration statement of which this prospectus forms a part, or in filings we make with the SEC under the Exchange Act that are incorporated by reference into this prospectus.

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PLAN OF DISTRIBUTION

General

We may sell any combination of the securities offered pursuant to this prospectus through agents, through underwriters or dealers or directly to one or more purchasers, or through a combination of these methods.

Underwriters, dealers and agents that participate in the distribution of the securities offered pursuant to this prospectus may be underwriters as defined in the Securities Act, and any discounts or commissions received by them from us and any profit on the resale of the offered securities by them may be treated as underwriting discounts and commissions under the Securities Act. If a material arrangement with any underwriter, broker, dealer or agent is entered into for the sale of the offered securities, a prospectus supplement will be filed, if necessary, under the Securities Act disclosing the material terms and conditions of such arrangement. Any underwriters or agents will be identified and their compensation (including underwriting discount) will be described in the prospectus supplement. The prospectus supplement will also describe other terms of the offering, including any discounts or concessions allowed or reallocated or paid to dealers and any securities exchanges on which the offered securities may be listed.

The distribution of the securities offered under this prospectus may occur from time to time in one or more transactions at a fixed price or prices, which may be changed, at market prices prevailing at the time of sale, at prices related to such prevailing market prices or at negotiated prices.

If the prospectus supplement indicates, we will authorize dealers or agents to solicit offers by certain institutions to purchase offered securities from us pursuant to contracts that provide for payment and delivery on a future date. We must approve all institutions, but they may include, among others:

commercial and savings banks;

insurance companies;

pension funds;

investment companies; and

educational and charitable institutions.

An institutional purchaser's obligations under any contract to purchase our securities will only be subject to the condition that the purchase of the offered securities at the time of delivery is allowed by the laws that govern the purchaser. The dealers and our agents will not be responsible for the validity or performance of these contracts.

We may have agreements with the underwriters, dealers and agents to indemnify them against certain civil liabilities, including liabilities under the Securities Act, or to contribute with respect to payments which the underwriters, dealers or agents may be required to make as a result of those certain civil liabilities.

When we issue the securities offered by this prospectus, they may be new securities without an established trading market. If we sell a security offered by this prospectus to an underwriter for public offering and sale, the underwriter may make a market for that security, but the underwriter will not be obligated to do so and could discontinue any market making without notice at any time. Therefore, we cannot give any assurances to you concerning the liquidity of any security offered by this prospectus.

Underwriters and agents and their affiliates may be customers of, engage in transactions with, or perform services for us or our subsidiaries in the ordinary course of their businesses.

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The Selling Security Holders Distributions

The selling security holders, which as used herein includes donees, pledgees, transferees or other successors-in-interest selling shares of our common stock or interests in shares of our common stock received after the date of this prospectus from the selling security holders as a gift, pledge, partnership distribution or other transfer, may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of our common stock or interests in shares of our common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices.

The selling security holders may use any one or more of the following methods when disposing of shares of our common stock or interests therein:

ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;

one or more underwritten offerings;

block trades in which the broker-dealer will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction;

purchases by a broker-dealer as principal and resale by the broker-dealer for its account;

an exchange distribution in accordance with the rules of the applicable exchange;

privately negotiated transactions;

short sales effected after the date the registration statement of which this prospectus is a part is declared effective by the SEC;

through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;

broker-dealers may agree with the selling security holders to sell a specified number of such shares at a stipulated price per share; and

a combination of any such methods of sale.

The selling security holders may, from time to time, pledge or grant a security interest in some or all of the shares of our common stock owned by them and, if a selling security holder defaults in the performance of its secured obligations, the pledgees or secured parties may offer and sell the shares of our common stock, from time to time, under this prospectus, or under an amendment or supplement to this prospectus amending the list of the selling security holders to include the pledgee, transferee or other successors in interest as the selling security holders under this prospectus. The selling security holders also may transfer the shares of our common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

In connection with the sale of our common stock or interests therein, the selling security holders may enter into derivative or other hedging transactions involving the securities with third parties, or sell securities not covered by this prospectus to third parties in privately-negotiated transactions. In connection with those derivative transactions, the third parties may sell securities covered by this prospectus and any related prospectus supplement, including in short sale transactions, or may lend securities in order to facilitate short sale transactions by others. If so, the third party may use securities pledged by the selling security holders or borrowed from the selling security holders or others to settle those sales or to close out any related open borrowings of securities, and may use securities received from the Selling Securities in settlement of those derivative or hedging transactions to close out any related open borrowings of securities.

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The aggregate proceeds to the selling security holders from the sale of our common stock offered by them will be the purchase price of our common stock less discounts or commissions, if any. The selling security holders reserve the right to accept and, together with their agents from time to time, to reject, in whole or in part, any proposed purchase of our common stock to be made directly or through agents. We will not receive any of the proceeds from any offering by the selling security holders.

The selling security holders also may resell all or a portion of the shares of our common stock in open market transactions in reliance upon Rule 144 under the Securities Act, provided that they meet the criteria and conform to the requirements of that rule, or pursuant to other available exemptions from the registration requirements of the Securities Act.

The selling security holders and any underwriters, broker-dealers or agents that participate in the sale of our common stock or interests therein may be underwriters within the meaning of Section 2(11) of the Securities Act. Any discounts, commissions, concessions or profit they earn on any resale of the shares of our common stock may be underwriting discounts and commissions under the Securities Act. If any selling security holder is an underwriter within the meaning of Section 2(11) of the Securities Act, then the selling security holder will be subject to the prospectus delivery requirements of the Securities Act. Underwriters and their controlling persons, dealers and agents may be entitled, under agreements entered into with us and the selling security holders, to indemnification against and contribution toward specific civil liabilities, including liabilities under the Securities Act.

To the extent required, the shares of our common stock to be sold, the respective purchase prices and public offering prices, the names of any agents, dealer or underwriter, and any applicable discounts, commissions, concessions or other compensation with respect to a particular offer will be set forth in an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement that includes this prospectus.

To facilitate the offering of the shares of our common stock offered by the selling security holders, certain persons participating in the offering may engage in transactions that stabilize, maintain or otherwise affect the price of our common stock. This may include over-allotments or short sales, which involve the sale by persons participating in the offering of more shares than were sold to them. In these circumstances, these persons would cover such over-allotments or short positions by making purchases in the open market or by exercising their over-allotment option, if any. In addition, these persons may stabilize or maintain the price of our common stock by bidding for or purchasing shares in the open market or by imposing penalty bids, whereby selling concessions allowed to dealers participating in the offering may be reclaimed if shares sold by them are repurchased in connection with stabilization transactions. The effect of these transactions may be to stabilize or maintain the market price of our common stock at a level above that which might otherwise prevail in the open market. These transactions may be discontinued at any time.

VALIDITY OF SECURITIES

The validity of the securities described in this prospectus has been passed upon by Calfee, Halter & Griswold LLP, The Calfee Building, 1405 East Sixth Street, Cleveland, Ohio 44114.

EXPERTS

The financial statements and management's assessment of the effectiveness of internal control over financial reporting (which is included in Management's Report on Internal Control over Financial Reporting) incorporated in this Prospectus by reference to the Annual Report on Form 10-K for the year ended December 31, 2015 have been so incorporated in reliance on the report of PricewaterhouseCoopers LLP, an independent registered public accounting

firm, given on the authority of said firm as experts in auditing and accounting.

Table of Contents**PART II****INFORMATION NOT REQUIRED IN PROSPECTUS****Item 14. Other Expenses of Issuance and Distribution**

The following is an estimate, subject to future contingencies, of the expenses to be incurred by the registrant in connection with the issuance and distribution of the securities being registered:

	Per Offering
SEC registration fee	\$65,976*
FINRA filing fee	\$225,500
Legal fees and expenses	**
Trustee fees and expenses	**
Accounting fees and expenses	**
Printing expenses	**
Miscellaneous	**
 Total	 \$291,476**

* In accordance with Rules 456(b) and 457(r), we are deferring payment of a portion of the registration fee.

** These fees are calculated based on the securities offered and the number of issuances and accordingly cannot be estimated at this time.

Item 15. Indemnification of Directors and Officers

Section 145 of the DGCL provides that a corporation may indemnify any person who was or is a party, or is threatened to be made a party, to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise), against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful. A similar standard is applicable in the case of derivative actions (i.e., actions by or in the right of the corporation), except that indemnification extends only to expenses, including attorneys' fees, incurred in connection with the defense or settlement of such action and the statute requires court approval before there can be any indemnification where the person seeking indemnification has been found liable to the corporation.

The registrant's amended and restated certificate of incorporation limits the liability of the registrant's directors for monetary damages for breach of their fiduciary duty as directors, except for liability that cannot be eliminated under the DGCL. Consequently, the registrant's directors will not be personally liable to the registrant or its shareholders for monetary damages for breach of fiduciary duty as a director, except liability:

for any breach of the director's duty of loyalty to the registrant or its shareholders;

for any act or omission not in good faith or that involve intentional misconduct or knowing violation of law;

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for unlawful payment of dividend or unlawful stock repurchase or redemption, as provided under Section 174 of the DGCL; or

for any transaction from which the director derived an improper personal benefit.

Any amendment, repeal or modification of these provisions will be prospective only, and will not eliminate or reduce the effect of these provisions in respect of any act, omission or claim that occurred or arose prior to that amendment or repeal. If the DGCL is amended to provide for further limitations on the personal liability of directors or officers of corporations, then the personal liability of the registrant's directors and officers will be further limited to the fullest extent permitted by the DGCL.

In addition, the registrant has entered into indemnification agreements with directors and officers. These agreements require the registrant to indemnify these individuals to the fullest extent permitted under the DGCL against liability that may arise by reason of their service to the registrant, and to advance expenses incurred as a result of any proceeding against them as to which they could be indemnified.

The registrant may maintain liability insurance policies that indemnify the registrant's directors and officers against various liabilities arising out of that person's actions as the registrant's officer, director, employee or agent, regardless of whether Delaware law would permit indemnification.

Item 16. Exhibits

See Exhibit Index.

Item 17. Undertakings

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) to include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) to reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the Calculation of Registration Fee table in the effective registration statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) of this section do not apply if information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to section 13 or section 15(d) of the Securities Exchange Act

of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

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(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that

is incorporated by reference in the registration statement shall be deemed to be a new

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registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers, and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer, or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer, or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

(d) The undersigned registrant hereby undertakes to file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act (the Act) in accordance with the rules and regulations prescribed by the Commission under Section 305(b)(2) of the Act.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Chesterland, State of Ohio, on December 1, 2016.

**FAIRMOUNT SANTROL HOLDINGS
INC.**

By: /s/ Jenniffer D. Deckard
Jenniffer D. Deckard
President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below, hereby constitutes and appoints Jenniffer D. Deckard, Michael F. Biehl, and David J. Crandall, or any one of them, his or her true and lawful attorneys-in-fact and agents, each with full power of substitution and resubstitution for him or her in his or her name, place and stead, in any and all capacities, to sign any or all amendments or post-effective amendments to this Registration Statement, and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto such attorneys-in-fact and agents, or any of them, full power and authority to do and perform each and every act and thing requisite and necessary in connection with such matters and hereby ratifying and confirming all that each of such attorneys-in-fact and agents or his or her substitute or substitutes may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed below by the following persons in the capacities indicated on the 1st day of December, 2016.

Signature	Title
/s/ Jenniffer D. Deckard	President, Chief Executive Officer and a Director (Principal Executive Officer)
Jenniffer D. Deckard	
/s/ Michael F. Biehl	Executive Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)
Michael F. Biehl	
/s/ William E. Conway	Director
William E. Conway	
/s/ Michael G. Fisch	Director
Michael G. Fisch	

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/s/ Charles D. Fowler Director

Charles D. Fowler

/s/ Stephen J. Hadden Director

Stephen J. Hadden

/s/ Michael C. Kearney Director

Michael C. Kearney

/s/ William P. Kelly Director

William P. Kelly

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/s/ Matthew F. LeBaron	Director
Matthew F. LeBaron	
/s/ Michael E. Sand	Director
Michael E. Sand	
/s/ Lawrence N. Schultz	Director
Lawrence N. Schultz	

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EXHIBIT INDEX

No.	Description
1.1	Form of Underwriting Agreement (1)
4.1	Indenture, dated as of December 1, 2016, between the Company and The Bank Of New York Mellon Trust Company, N.A. <i>(filed herewith)</i>
4.2	Form of Debt Securities (1)
4.3	Form of Warrant Agreement (including form of Warrant Certificate) (1)
4.4	Form of Certificate of Designations for Preferred Stock (1)
4.5	Form of Unit Agreement (including form of Unit Certificate) (1)
4.6	Form of Purchase Contract (1)
4.7	Form of Specimen Certificate for Common Stock, which is incorporated herein by reference to Exhibit 4.1 to the Company's Registration Statement on Form S-1 (File No. 333-198322), as filed with the Commission on September 26, 2014.
4.8	Form of Fourth Amended and Restated Stockholders Agreement (incorporated by reference to Exhibit 10.7 on Form S-1, filed on September 18, 2014).
5.1	Opinion of Calfee, Halter & Griswold LLP <i>(filed herewith)</i>
5.2	Opinion of Harter, Secrest & Emery LLP <i>(filed herewith)</i>
12	Computation of Ratio of Earnings to Fixed Charges <i>(filed herewith)</i>
23.1	Consent of Calfee, Halter & Griswold LLP <i>(included as part of Exhibit 5.1)</i>
23.2	Consent of Independent Registered Public Accounting Firm PricewaterhouseCoopers LLP <i>(filed herewith)</i>
24	Powers of Attorney <i>(included in signature page)</i>
25	Statement of Eligibility under the Trust Indenture Act of 1939 of The Bank Of New York Mellon Trust Company, N.A., as Trustee <i>(filed herewith)</i>

(1) To be filed by amendment or incorporated by reference.