

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

**FORM S-3  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**OPKO Health, Inc.**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**75-2402409**  
(IRS Employer  
Identification Number)

**4400 Biscayne Blvd.  
Miami, FL 33137  
(305) 575-4100**

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

**Kate Inman, Esq.  
General Counsel and Secretary  
OPKO Health, Inc.  
4400 Biscayne Blvd.  
Miami, Florida 33137  
(305) 575-4100**

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

*Copies to:*

**Adam Logal  
Chief Financial Officer  
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4400 Biscayne Blvd.  
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**Approximate date of commencement of proposed sale to the public:** From time to time after the effective date of this registration statement.

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, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act:

Large accelerated filer  Accelerated filer   
Non-accelerated filer  Smaller reporting company   
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

**CALCULATION OF REGISTRATION FEE**

Title of each class of securities to be registered	Amount to be registered(1)	Proposed maximum offering price per unit(1)	Proposed maximum aggregate offering price(1)	Amount of registration fee(1)
Common Stock, par value \$0.01 per share				
Preferred Stock, par value \$0.01 per share				
Debt Securities				
Depository Shares				
Warrants				
Purchase Contracts				
Units				

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<b>Total</b>				
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(1) An indeterminate aggregate offering price and number or amount of the securities of each identified class is being registered as may from time to time be sold at indeterminate prices, either by the issuer or by selling security holders. Separate consideration may or may not be received for securities that are issuable upon conversion of, or in exchange for, or upon exercise of, convertible or exchangeable securities. In accordance with Rules 456(b) and 457(r) under the Securities Act of 1933, as amended, or the Securities Act, the registrant is deferring payment of all of the registration fee.

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PROSPECTUS



**Common Stock  
Preferred Stock  
Debt Securities  
Depositary Shares  
Warrants  
Purchase Contracts  
Units**

We or any selling stockholder may offer and sell from time to time, in one or more series or issuances and on terms that we will determine at the time of the offering, any combination of the securities described in this prospectus.

This prospectus provides you with a general description of the securities we or any selling stockholder may offer and sell. We will provide specific terms of any offering in a supplement to this prospectus. Any prospectus supplement may also add, update, or change information contained in this prospectus. You should carefully read this prospectus and the applicable prospectus supplement as well as the documents incorporated or deemed to be incorporated by reference in this prospectus before you invest in any of our securities.

We or any selling stockholder may offer and sell in the same offering or in separate offerings; to or through underwriters, dealers and agents; or directly to purchasers. The names of any underwriters, dealers, or agents involved in the sale of our securities and any applicable fees, commissions, or discounts will be described in the applicable prospectus supplement. Our net proceeds from the sale of securities will also be set forth in the applicable prospectus supplement. We will not receive any proceeds from the sale of securities by selling stockholders.

This prospectus may not be used to consummate a sale of our securities unless accompanied by the applicable prospectus supplement.

Our common stock is listed on the Nasdaq Global Select Market of The Nasdaq Stock Market LLC under the symbol "OPK."

**Investing in our securities involves a high degree of risk. See the "[Risk Factors](#)" section beginning on page 1 of this prospectus for a discussion of information that should be considered in connection with an investment in our securities.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.**

**The date of this prospectus is January 28, 2019.**

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## ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission, or the SEC, utilizing a “shelf” registration process. Under this shelf registration process, we and/or selling stockholders may sell, from time to time, any combination of the securities described in this prospectus in one or more offerings. This prospectus provides you with general information regarding the securities we and/or selling stockholders may offer. We will provide a prospectus supplement that contains specific information about any offering by us and/or selling stockholders.

The prospectus supplement also may add, update, or change information contained in the prospectus. You should read both this prospectus and the prospectus supplement related to any offering as well as additional information described under the headings “Where You Can Find More Information” and “Incorporation of Certain Information by Reference.”

Neither we nor any selling stockholder has authorized anyone to provide you with information different from that contained or incorporated by reference in this prospectus or any accompanying prospectus supplement or any “free writing prospectus.” We and/or selling stockholders are offering to sell, and seeking offers to buy, securities only in jurisdictions where offers and sales are permitted. The information contained in this prospectus and in any accompanying prospectus supplement is accurate only as of the dates of their covers, regardless of the time of delivery of this prospectus or any prospectus supplement or of any sale of our securities. Our business, financial condition, results of operations, and prospects may have changed since those dates. You should rely only on the information contained or incorporated by reference in this prospectus or any accompanying prospectus supplement. To the extent there is a conflict between the information contained in this prospectus and the prospectus supplement, you should rely on the information in the prospectus supplement, provided that if any statement in one of these documents is inconsistent with a statement in another document having a later date — for example, a document incorporated by reference into this prospectus or any prospectus supplement — the statement in the document having the later date modifies or supersedes the earlier statement.

Unless the context otherwise requires, the terms “OPKO,” “Company,” “we,” “us,” “our,” or “ours” refer to OPKO Health, Inc., a Delaware corporation, including its wholly-owned subsidiaries.

## RISK FACTORS

Investing in our securities involves a high degree of risk. Before making an investment decision, you should carefully consider the discussion of risks and uncertainties under the heading “Risk Factors” contained in our Annual Report on Form 10-K for the fiscal year ended December 31, 2017, which is incorporated by reference in this prospectus, and under similar headings in our subsequently filed Quarterly Reports on Form 10-Q, any Current Reports on Form 8-K that are filed with the SEC and Annual Reports on Form 10-K, as well as the other risks and uncertainties described in any applicable prospectus supplement or free writing prospectus and in the other documents incorporated by reference in this prospectus. See the sections entitled “Where You Can Find More Information” and “Incorporation of Certain Information by Reference” in this prospectus. The risks and uncertainties we discuss in this prospectus, in any applicable prospectus supplement or free writing prospectus and in the other documents incorporated by reference in this prospectus are not the only ones facing our company. Additional risks and uncertainties not presently known to us or that we currently believe are immaterial also may materially and adversely affect our business, financial condition and results of operations. Please also refer to the section of this prospectus titled “Cautionary Statement About Forward Looking Statements.”

## CAUTIONARY STATEMENT ABOUT FORWARD-LOOKING STATEMENTS

This prospectus, any applicable prospectus supplement and the documents and information incorporated by reference herein and therein may contain “forward-looking statements” within the meaning of Section 27A of the

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Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. Forward-looking statements may include, but are not limited to, statements relating to our objectives, plans and strategies as well as statements, other than historical facts, that address activities, events, or developments that we intend, expect, project, believe or anticipate will or may occur in the future. These statements are often characterized by terminology such as “may,” “will,” “should,” “expects,” “plans,” “anticipates,” “could,” “intends,” “target,” “projects,” “contemplates,” “believes,” “estimates,” “predicts,” “potential,” or “continue” or the negative of these terms or other similar expressions.

Forward-looking statements are based on assumptions and assessments made in light of our experience and perception of historical trends, current conditions, expected future developments and other factors believed to be appropriate. Forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties, many of which are outside of our control. You should not place undue reliance on these forward-looking statements, which reflect our view only as of the date of this prospectus, and we undertake no obligation to update these forward-looking statements in the future, except as required by applicable law.

A number of important factors could cause actual results to differ materially from those indicated by the forward-looking statements, including, without limitation, those factors described under the heading “Risk Factors” in our Annual Report on Form 10-K for the fiscal year ended December 31, 2017, which is incorporated by reference in this prospectus, and under similar headings in our subsequently filed Quarterly Reports on Form 10-Q, any Current Reports on Form 8-K that are filed with the SEC and Annual Reports on Form 10-K, as well as the other risks and uncertainties described in any applicable prospectus supplement or free writing prospectus and in the other documents incorporated by reference in this prospectus. Some of the key factors that could cause actual results to differ from our expectations include the following:

- we have a history of losses and may not generate sustained positive cash flow sufficient to fund our operations and research and development programs;
- our need for, and ability to obtain, additional financing when needed on favorable terms, or at all;
- adverse results in material litigation matters or governmental inquiries, including, without limitation, recent lawsuits against us and our Chairman of the Board and Chief Executive Officer by the SEC, as well as related class action and derivative lawsuits;
- the risks inherent in developing, obtaining regulatory approvals for and commercializing new, commercially viable and competitive products and treatments;
- our research and development activities may not result in commercially viable products;
- that earlier clinical results of effectiveness and safety may not be reproducible or indicative of future results;
- the success of our relationship with Pfizer;
- that we may fail to obtain regulatory approval for hGH-CTP or successfully commercialize *Royaldee* and hGH-CTP;
- that we may not generate profits or cash flow from our laboratory operations or substantial revenue from *Royaldee* and our pharmaceutical and diagnostic products;
- that currently available over-the-counter and prescription products, as well as products under development by others, may prove to be as or more effective than our products for the indications being studied;
- our ability to build a successful pharmaceutical sales and marketing infrastructure;
- our ability and our distribution and marketing partners’ ability to comply with regulatory requirements regarding the sales, marketing and manufacturing of our products and product candidates and the operation of our laboratories;

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- the performance of our third-party distribution partners, licensees and manufacturers over which we have limited control;
- our success is dependent on the involvement and continued efforts of our Chairman and Chief Executive Officer;
- integration challenges for Transition Therapeutics, Inc., BioReference Laboratories, EirGen and other acquired businesses;
- availability of insurance coverage with respect to material litigation matters;
- changes in regulation and policies in the United States (“U.S.”) and other countries, including increasing downward pressure on healthcare reimbursement;
- our ability to manage our growth and our expanded operations;
- increased competition, including price competition;
- changing relationships with payors, including the various state and multi-state Blues programs, suppliers and strategic partners;
- efforts by third-party payors to reduce utilization and reimbursement for clinical testing services;
- our ability to maintain reimbursement coverage for our products and services, including the 4Kscore test;
- failure to timely or accurately bill and collect for our services;
- failure in our information technology systems, including cybersecurity attacks or other data security or privacy incidents;
- failure to obtain and retain new clients and business partners, or a reduction in tests ordered or specimens submitted by existing clients;
- failure to establish, and perform to, appropriate quality standards to assure that the highest level of quality is observed in the performance of our testing services;
- failure to maintain the security of patient-related information;
- our ability to obtain and maintain intellectual property protection for our products;
- our ability to defend our intellectual property rights with respect to our products;
- our ability to operate our business without infringing the intellectual property rights of others;
- our ability to attract and retain key scientific and management personnel;
- failure to obtain and maintain regulatory approval outside the U.S.;
- legal, economic, political, regulatory, currency exchange, and other risks associated with international operations; and
- our ability to finance and successfully complete construction of a research, development and manufacturing center in Waterford, Ireland.

### **OUR COMPANY**

We are a diversified healthcare company that seeks to establish industry-leading positions in large and rapidly growing medical markets. Our diagnostics business includes BioReference Laboratories, the nation’s third-largest clinical laboratory with a core genetic testing business and an almost 400-person sales and marketing team to drive growth and leverage new products, including the 4Kscore prostate cancer test and the Claros 1 in-

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office immunoassay platform (in development). Our pharmaceutical business features Rayaldee, a U.S. Food and Drug Administration (“FDA”)-approved treatment for secondary hyperparathyroidism in adults with stage 3 or 4 chronic kidney disease and vitamin D insufficiency (launched in November 2016), OPK88004, a selective androgen receptor modulator currently being studied for benign prostatic hyperplasia but for which we are exploring other potential indications, and OPK88003, a once or twice weekly oxyntomodulin for type 2 diabetes and obesity which is a clinically advanced drug candidate among the new class of GLP-1 glucagon receptor dual agonists (phase 2b). Our pharmaceutical business also features hGH-CTP, a once-weekly human growth hormone injection (in phase 3 and partnered with Pfizer Inc. (“Pfizer”)).

We operate established pharmaceutical platforms in Spain, Ireland, Chile and Mexico, which are generating revenue and from which we expect to generate positive cash flow and facilitate future market entry for our products currently in development. We have a development and commercial supply pharmaceutical company, as well as a global supply chain operation and holding company in Ireland, which we expect will play an important role in the development, manufacturing, distribution and approval of a wide variety of drugs with an emphasis on high potency products. We also own a specialty active pharmaceutical ingredients manufacturer in Israel, which we expect will facilitate the development of our pipeline of molecules and compounds for our proprietary molecular diagnostic and therapeutic products.

We are a Delaware corporation. We maintain our principal executive offices at 4400 Biscayne Blvd., Miami, FL 33137. Our telephone number is (305) 575-4100. We maintain a website at [www.opko.com](http://www.opko.com). The information contained on our websites or that can be accessed through our website does not constitute part of this prospectus or the accompanying prospectus supplement.

### **USE OF PROCEEDS**

Except as may be otherwise set forth in any prospectus supplement accompanying this prospectus, we will use the net proceeds we receive from sales of securities offered hereby to fund research and development to further develop and commercialize our portfolio of proprietary pharmaceutical and diagnostic products and for working capital, capital expenditures, acquisitions and other general corporate purposes, which may include the repayment or repurchase of indebtedness or debt securities outstanding from time to time. Pending these uses, the net proceeds may also be temporarily invested in cash equivalents or short-term securities. When specific securities are offered, the prospectus supplement relating thereto will set forth our intended use of the net proceeds that we receive from the sale of such securities.

### **SELLING STOCKHOLDERS**

Selling stockholders are persons or entities that, directly or indirectly, have acquired or will from time to time acquire from us, our securities. Such selling stockholders may be parties to registration rights agreements with us, or we otherwise may have agreed or will agree to register their securities for resale. The initial purchasers of our securities, as well as their transferees, pledges, donees or successors, all of whom we refer to as “selling stockholders,” may from time to time offer and sell our securities pursuant to this prospectus and any applicable prospectus supplement.

The applicable prospectus supplement will set forth the name of each of the selling stockholders and the number of securities beneficially owned by such selling stockholder that are covered by such prospectus supplement. The applicable prospectus supplement will also disclose whether any of the selling stockholders has held any position or office with, has been employed by or otherwise has had a material relationship with us during the three years prior to the date of the applicable prospectus supplement.

## DILUTION

We will set forth in a prospectus supplement the following information regarding any material dilution of the equity interests of investors purchasing securities in an offering under this prospectus:

- the net tangible book value per share of our equity securities before and after the offering;
- the amount of the increase in such net tangible book value per share attributable to the cash payments made by purchasers of the equity interests being offered; and
- the amount of the immediate dilution from the public offering price which will be absorbed by such purchasers.

## DESCRIPTION OF CAPITAL STOCK

### General

This section describes the general terms of our capital stock. A prospectus supplement may provide information that is different from this prospectus. If the information in the prospectus supplement with respect to our stock being offered differs from this prospectus, you should rely on the information in the prospectus supplement. A copy of our amended and restated certificate of incorporation, as amended, which we refer to as our Amended and Restated Certificate of Incorporation, and our amended and restated bylaws, which we refer to as our Amended and Restated Bylaws, have been incorporated by reference from our filings with the SEC as an exhibit to the registration statement of which this prospectus forms a part. Our stock and the rights of the holders of our stock are subject to the applicable provisions of the General Corporation Law of the State of Delaware, which we refer to as the DGCL, our Amended and Restated Certificate of Incorporation, our Amended and Restated Bylaws, as well as some of the terms of our outstanding indebtedness.

The description below of our stock and provisions of our Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws are summaries and are qualified by reference to the Amended and Restated Certificate of Incorporation and our Amended and Restated Bylaws, and by the applicable provisions of the DGCL.

Our authorized capital stock consists of 760,000,000 shares of capital stock, of which: (i) 750,000,000 shares are designated as common stock, par value \$0.01 per share; and (ii) 10,000,000 shares are designated as preferred stock, par value \$0.01 per share. As of December 31, 2018, there were 586,331,543 shares of common stock issued and outstanding and no shares of preferred stock issued and outstanding.

### Common Stock

#### *Voting Rights*

The holders of shares of our common stock are entitled to one vote per share in connection with the election of directors and all other matters submitted to a vote of stockholders. The holders of shares of our common stock do not have cumulative voting rights.

#### *Dividend Rights*

Subject to any preferential dividend rights of holders of any then outstanding shares of our preferred stock and our Amended and Restated Certificate of Incorporation, the holders of shares of our common stock shall be entitled to receive, on a pro rata basis, such dividends and other distributions in cash, stock or property when, as and if declared thereon by our board of directors from time to time out of our assets or funds legally available therefor. No dividends have been paid to holders of shares of our common stock since our incorporation, and no dividends are anticipated to be declared or paid in the reasonably foreseeable future.

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***Liquidation Rights***

After payments to creditors and subject to any preferential liquidation, dissolution or winding up rights of holders of any then outstanding shares of our preferred stock, the holders of shares of our common stock are entitled to share ratably in all of our remaining assets and funds available for distribution to holders of shares of our common stock upon the liquidation, dissolution or winding-up of our affairs.

***Other Matters***

Holders of shares of our common stock do not have any preemptive, subscription, redemption or conversion rights. All of the shares of our common stock currently issued and outstanding are fully-paid and nonassessable.

***Preferred Stock***

Under our Amended and Restated Certificate of Incorporation, our board of directors has the authority, without further action by stockholders, to divide shares of our preferred stock into such number of series as our board of directors may determine and to determine and alter, from time to time, the designations, rights, preferences, privileges and restrictions granted to and imposed upon any wholly unissued series of our preferred stock, including dividend rights, dividend rate, conversion rights, voting rights, rights and terms of redemption (including sinking fund provisions), redemption price or prices, and the liquidation preference of any wholly unissued series of our preferred stock, any or all of which may be greater than the rights of our common stock, and to establish the number of shares constituting any such series. The issuance of preferred stock with voting rights or conversion rights may adversely affect the voting power of our common stock, including the loss of voting control to others. The issuance of preferred stock may also have the effect of delaying, deferring or preventing a change in control of our company without stockholder approval.

***Series A Convertible Preferred Stock***

Of the authorized preferred stock, 4,000,000 shares are designated "Series A Convertible Preferred Stock". We redeemed all previously issued and outstanding shares of our Series A Convertible Preferred Stock.

***Voting Rights***

The holders of record of our Series A Convertible Preferred Stock were and would be entitled to notice of, and to vote on or consent to, all actions on which holders of shares of our common stock are required or permitted to act upon. On all matters requiring or permitting a vote or consent of the holders of common stock, each share of Series A Convertible Preferred Stock was and would be equivalent to one share of common stock and all shares of Series A Convertible Preferred Stock were and would be voted together with the shares of common stock as a single class, except as otherwise provided by our Amended and Restated Certificate of Incorporation or our Amended and Restated Bylaws or by law. So long as shares of Series A Convertible Preferred Stock were and would be outstanding, without the approval of the holders of record of at least a majority of the then outstanding shares of Series A Convertible Preferred Stock, voting separately as a class, we were not and would not be permitted to (i) alter or change the rights, preferences, privileges or restrictions of shares of Series A Preferred so as to affect them adversely; or (ii) increase the authorized number of shares of Series A Convertible Preferred Stock.

***Dividend Rights***

Holders of record of our Series A Convertible Preferred Stock were and would be entitled to receive dividends in the amount of \$0.25 per share, payable annually in arrears. At the option of our board of directors, dividends were and would be payable to the extent lawfully permitted either (i) wholly or partially in cash or (ii) in newly issued shares of Series A Convertible Preferred Stock valued as set forth in our Amended and Restated Certificate of Incorporation.

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### *Liquidation Rights*

In the event of a liquidation, dissolution or winding-up, the holders of record of our Series A Convertible Preferred Stock were and would be entitled to receive ratably in full, out of our lawfully available assets, an amount in cash per outstanding share of Series A Convertible Preferred Stock equal to the sum of \$2.50 and all dividends (whether or not declared) accrued and unpaid thereon as of the date of final distribution to such holders, without interest, before any payment shall be made or any assets distributed to the holders of common stock or any other class or series of our capital stock ranking junior as to liquidation rights to the Series A Convertible Preferred Stock; provided, however, that such rights would accrue to the holders of Series A Convertible Preferred Stock only in the event our payments with respect to the liquidation preferences of any holders of capital stock ranking senior as to liquidation rights to our Series A Convertible Preferred Stock (the “Senior Liquidation Stock”) are fully met. If, upon any liquidation, dissolution and winding-up, the amount available for such payment to the holders of Series A Convertible Preferred Stock would not be sufficient to pay in full the amounts payable on the Series A Convertible Preferred Stock, the holders of the Series A Convertible Preferred Stock and any other class or series of the our capital stock which may be created having parity as to liquidation rights with the Series A Convertible Preferred Stock would share in the distribution of the amount available in proportion to the respective preferential amounts to which each is entitled.

The liquidation preference of our Series A Convertible Preferred Stock is subject to proportional adjustment as set forth in our Amended and Restated Certificate of Incorporation.

### *Conversion Rights*

Each share of Series A Convertible Preferred Stock was and would be convertible, at the option of the holder of record, into fully paid and nonassessable shares of our common stock. Shares of Series A Convertible Preferred Stock were and would be convertible into the number of shares of our common stock determined by dividing (i) the number of shares of Series A Convertible Preferred Stock (including additional shares) held by a holder by (ii) a divisor equal to \$2.50, subject to certain adjustments set forth in our Amended and Restated Certificate of Incorporation.

### *Optional Redemption*

Shares of Series A Convertible Preferred Stock were and would be redeemable, at our option, in whole or in part, at any time and from time to time, if the average closing bid price of our common stock was at least \$3.75 per share for any 30 consecutive trading days ending within 15 days prior to the date on which we give notice of redemption of shares of Series A Convertible Preferred Stock. The redemption price was and would be \$2.50 per share plus a sum equal to the accrued but unpaid dividends on the Series A Convertible Preferred Stock.

### ***Series C Convertible Preferred Stock***

Of the authorized preferred stock, 500,000 shares are designated “Series C Convertible Preferred Stock”. All previously issued and outstanding shares of Series C Convertible Preferred Stock automatically converted into shares of our common stock, on a one-hundred-for-one basis.

### *Voting Rights*

Except as otherwise expressly provided in our Amended and Restated Certificate of Incorporation or as otherwise required by law, (i) each holder of Series C Convertible Preferred Stock was and would be entitled to vote on all matters submitted to a vote of our stockholders and was and would be entitled to that number of votes equal to the largest number of whole shares of common stock into which such holder’s shares of Series C Convertible Preferred Stock could be converted, at the record date for the determination of stockholders entitled to vote on such matters or, if no such record date is established, at the date such vote is taken or any written consent of stockholders is solicited, and (ii) the holders of shares of preferred stock and common stock would vote together (or tender written consents in lieu of a vote) as a single class on all matters submitted to our stockholders.

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### *Dividend Rights*

The holders of shares of Series C Convertible Preferred Stock were and would be entitled to receive, when, as and if declared by our board of directors, out of our assets legally available therefor, prior and in preference to any declaration or payment of any dividend on our common stock or any other class or series of our capital stock ranking junior to the Series C Convertible Preferred Stock with respect to the payment of dividends, and subject to the rights to dividends of any class or series of our preferred stock ranking senior or on parity with our Series C Convertible Preferred Stock with respect to dividends, cumulative cash dividends at the rate per share as set forth in our Amended and Restated Certificate of Incorporation. Whenever we would declare a dividend on our common stock, the holders of the Series C Convertible Preferred Stock were and would be also entitled to receive dividends in an amount equal per share (on an as-if-converted to common stock basis) to the amount paid or set aside for each share of our common stock.

### *Liquidation Rights*

In the event of any liquidation, dissolution or winding up, or in the event of our insolvency, distributions to our stockholders would be made in the following manner:

(i) First, before any distribution or payment is made to any holders of common stock or any other class or series of capital stock, the holders of Series C Convertible Preferred Stock would be entitled to be paid first out of the assets of the Company available for distribution to holders of capital stock of all classes and series, whether such assets are capital, surplus or earnings (collectively, "Available Assets"), an amount per share equal to the Series C Preferential Amount (as defined in our Amended and Restated Certificate of Incorporation).

(ii) After payment of the Series C Preferential Amount to all holders of the Series C Convertible Preferred Stock and payment of any other preference amounts to the holders of any other class or series of preferred stock entitled to a liquidation preference, the entire remaining Available Assets, if any, would be distributed among the holders of common stock, Series C Convertible Preferred Stock and any other class or series of preferred stock entitled to participate with the common stock in a liquidating distribution, pro rata in proportion to the shares of common stock then held by them and the shares of common stock which they then have the right to acquire upon conversion of such shares of preferred stock held by them.

### *Conversion Rights*

The Series C Convertible Preferred Stock was and would be subject to conversion into shares of common stock at the option of the holder and upon certain specified events, in each case as set forth in our Amended and Restated Certificate of Incorporation.

### ***8% Series D Cumulative Convertible Preferred Stock***

Of the authorized preferred stock, 2,000,000 shares are designated "8% Series D Cumulative Convertible Preferred Stock" ("Series D Preferred Stock"). All previously issued and outstanding shares of our Series D Preferred Stock were converted into shares of our common stock.

### *Voting Rights*

The holders of Series D Preferred Stock had and would have the right to receive notice of any meeting of holders of our common stock or Series D Preferred Stock and to vote (on an as-converted into common stock basis) upon any matter submitted to a vote of the holders of common stock or Series D Preferred Stock. Except as otherwise expressly set forth in our Amended and Restated Certificate of Incorporation, the holders of Series D Preferred Stock would vote on each matter submitted to them with the holders of common stock and all other classes and series of our capital stock entitled to vote on such matter, taken together as a single class.

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### *Dividend Rights*

Holders of shares of the Series D Preferred Stock were and would be entitled to receive, when, as and if declared by our board of directors, out of funds legally available therefor, dividends on each share of Series D Preferred Stock at a rate per annum equal to 8.0% of the sum of (i) \$24.80 as adjusted in accordance with our Amended and Restated Certificate of Incorporation for each stock combination, stock split, recapitalization, or similar corporate action that is the functional equivalent of any of the foregoing, plus (ii) any and all declared and unpaid and accrued dividends thereon. All dividends described in the foregoing sentence were and would be cumulative, whether or not earned or declared, and accrued on an annual basis from the issue date of the Series D Preferred Stock. Whenever we would declare and pay or make a dividend or any other distribution on or with respect to shares of any class of our common stock, holders of shares of the Series D Preferred Stock were and would also be entitled to receive in respect of each share of Series D Preferred Stock, a dividend or distribution in an amount equal to the amount of such dividend or distribution received by a holder of the number of shares of our common stock for which such share of Series D Preferred Stock is convertible on the date of the payment of such dividend or distribution to holders of our common stock.

### *Rank and Liquidation Rights*

With respect to dividend distributions (other than required dividends to the holders of our Series A Convertible Preferred Stock) and distributions upon liquidation, winding up or our dissolution, the Series D Preferred Stock ranked and would rank senior to all classes of our common stock, our Series A Convertible Preferred Stock, our Series C Convertible Preferred Stock and to each other class of our capital stock that is not specifically designated as ranking senior to or *pari passu* with our Series D Preferred Stock.

### *Conversion Rights*

The Series D Preferred Stock was and would be subject to conversion into shares of common stock at the option of the holder and upon certain specified events, in each case as set forth in the certificate of designation with respect to the Series D Preferred Stock.

## **Certain Amended and Restated Certificate of Incorporation and Bylaws Provisions**

### ***Requirements for Advance Notification of Stockholder Nominations and Proposals***

Our Amended and Restated Bylaws establish advance notice procedures with respect to stockholder proposals and the nomination of candidates for election as directors, other than nominations made by or at the direction of the board of directors or one of its committees or other matters properly brought by a stockholder under Rule 14a-8 promulgated under the Exchange Act.

### ***Special Meetings***

Our Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws provide that, except as otherwise required by law, special meetings of the stockholders may only be called by the chairman of the board of directors, the Chief Executive Officer, or by the board of directors acting pursuant to a resolution approved by the affirmative vote of a majority of the whole board. Only those matters set forth in the notice of the special meeting may be considered or acted upon at a special meeting of stockholders.

### ***No Cumulative Voting***

Section 214 of the DGCL provides that the certificate of incorporation of any corporation may provide stockholders with the right to cumulate votes in the election of directors. Our Amended and Restated Certificate of Incorporation does not provide for cumulative voting of shares of our stock.

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### ***Delaware Anti-Takeover Law***

We are a Delaware corporation subject to Section 203 of the DGCL. Under Section 203, certain “business combinations” between a Delaware corporation whose stock is listed on a national securities exchange or held of record by more than 2,000 stockholders and an “interested stockholder” are prohibited for a three-year period following the date that such stockholder became an interested stockholder, unless:

- the corporation has elected in its certificate of incorporation not to be governed by Section 203;
- the business combination or the transaction which resulted in the stockholder becoming an interested stockholder was approved by the board of directors of the corporation before the date of the business combination or the date such stockholder became an interested stockholder, as applicable;
- upon consummation of the transaction that made such stockholder an interested stockholder, the interested stockholder owned at least 85% of the “voting stock” (as defined in Section 203) of the corporation outstanding at the commencement of the transaction excluding voting stock owned by directors who are also officers or held in employee benefit plans in which the employees do not have a confidential right to tender stock held by the plan in a tender or exchange offer; or
- the business combination is approved by the board of directors and by the stockholders (acting at a meeting and not by written consent) by the affirmative vote of at least 66-2/3% of the outstanding voting stock which is not “owned” (as defined in Section 203) by the interested stockholder.

The three-year prohibition also does not apply to some business combinations proposed by an interested stockholder following the announcement or notification of an extraordinary transaction involving the corporation and a person who had not been an interested stockholder during the previous three years or who became an interested stockholder with the approval of a majority of the corporation’s directors. The term “business combination” is defined generally to include mergers or consolidations between a Delaware corporation and an interested stockholder, transactions with an interested stockholder involving the assets or stock of the corporation or its majority-owned subsidiaries and transactions which increase an interested stockholder’s percentage ownership of stock, or other transaction resulting in a financial benefit to the interested stockholder. The term “interested stockholder” is defined generally as those stockholders who become beneficial owners of 15% or more of a Delaware corporation’s voting stock, together with the affiliates or associates of that stockholder.

### ***Listing***

Our common stock is listed on the NASDAQ Global Select Market under the trading symbol “OPK.”

### ***Transfer Agent and Registrar***

The Transfer Agent and Registrar for our common stock is American Stock Transfer & Trust Company. The registrar and transfer agent for our preferred stock will be set forth in the applicable prospectus supplement.

## **DESCRIPTION OF DEBT SECURITIES**

This prospectus describes certain general terms and provisions of the debt securities that we may offer under this prospectus and one or more prospectus supplements. When we offer to sell a particular series of debt securities, we will describe the specific terms of the series in a prospectus supplement. The following description of debt securities will apply to the debt securities offered by this prospectus unless we provide otherwise in the applicable prospectus supplement. The applicable prospectus supplement for a particular series of debt securities may specify different or additional terms.

We may issue “senior,” “senior subordinated,” or “subordinated” debt securities. “Senior securities” will be direct obligations of ours and will rank equally and ratably in right of payment with other indebtedness of ours

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that is not subordinated. “Senior subordinated securities” will be subordinated in right of payment to the prior payment in full of senior indebtedness, as defined in the applicable prospectus supplement, and may rank equally and ratably with any other senior subordinated indebtedness. “Subordinated securities” will be subordinated in right of payment to senior subordinated securities.

We need not issue all debt securities of one series at the same time. Unless we provide otherwise, we may reopen a series, without the consent of the holders of such series, for issuances of additional securities of that series.

We will issue the senior debt securities and senior subordinated debt securities under a senior indenture, which we will enter into with a trustee to be named in the senior indenture, and we will issue the subordinated debt securities under a subordinated indenture, which we will enter into with a trustee to be named in the subordinated indenture. We use the term “indenture” or “indentures” to refer to both the senior indenture and the subordinated indenture. Each indenture will be subject to and governed by the Trust Indenture Act of 1939, as amended, or the Trust Indenture Act, and we may supplement the indenture from time to time. Any trustee under any indenture may resign or be removed with respect to one or more series of debt securities, and we may appoint a successor trustee to act with respect to that series. We have filed a form of indenture as an exhibit to this registration statement, of which this prospectus forms a part. The terms of the senior indenture and subordinated indenture will be substantially similar, except that the subordinated indenture will include provisions pertaining to the subordination of the subordinated debt securities and senior subordinated debt securities to the senior debt securities and any other of our senior securities. The following statements relating to the debt securities and the indenture are summaries only, are subject to change, and are qualified in their entirety to the detailed provisions of the indenture, any supplemental indenture, and the discussion contained in any prospectus supplements.

### **General**

The debt securities will be our direct obligations. We may issue debt securities from time to time and in one or more series as our board of directors may establish by resolution or as we may establish in one or more supplemental indentures. The particular terms of each series of debt securities will be described in a prospectus supplement relating to the series. We may issue debt securities with terms different from those of debt securities that we previously issued.

We may issue debt securities from time to time and in one or more series with the same or various maturities, at par, at a premium, or at a discount. We will set forth in a prospectus supplement, relating to any series of debt securities being offered, the initial offering price, and the following terms of the debt securities:

- the title of the debt securities;
- the series designation and whether they are senior securities, senior subordinated securities, or subordinated securities;
- the aggregate principal amount of the debt securities and any limit on the aggregate amount of the series of debt securities;
- the price or prices (expressed as a percentage of the aggregate principal amount) at which we will issue the debt securities and, if other than the principal amount of the debt securities, the portion of the principal amount of the debt securities payable upon the maturity of the debt securities;
- the date or dates on which we will pay the principal on the debt securities;
- the rate or rates (which may be fixed or variable) or the method used to determine the rate or rates (including any commodity, commodity index, stock exchange index, or financial index) at which the debt securities will bear interest, the date or dates from which interest will accrue, the date or dates on which interest will commence and be payable, and any regular record date for the interest payable on any interest payment date;

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- the place or places where principal, premium, if any, and any interest will be payable or the method of such payment and where the debt securities can be surrendered for transfer, exchange, or conversion;
- the terms, if any, by which holders of the debt securities may convert or exchange the debt securities for our common stock, preferred stock, or any other security or property;
- if convertible, the initial conversion price, the conversion period, and any other terms governing such conversion;
- any subordination provisions or limitations relating to the debt securities;
- any sinking fund requirements;
- any obligation we have to redeem, purchase or repay the debt securities pursuant to any sinking fund or analogous provisions or at the option of a holder of debt securities and the price or prices at which and the period and periods within which and the terms and conditions upon which debt securities of the series shall be redeemed, purchased, or repaid pursuant to such obligation;
- the dates on which and the price or prices at which we will repurchase the debt securities at the option of the holders of debt securities and other detailed terms and provisions of these repurchase obligations;
- the denominations in which the debt securities will be issued, if other than denominations of \$1,000 and any integral multiple thereof;
- the portion of principal amount of the debt securities payable upon declaration of acceleration of the maturity date, if other than the principal amount;
- whether we will issue the debt securities in certificated or book-entry form;
- the price or prices at which (if any), the period or periods within which (if any), and the terms and conditions upon which (if other than as provided herein) the debt securities may be redeemed, in whole or in part, at the option, or as an obligation, of the Company;
- whether the debt securities shall be issued in whole or in part in the form of a global security or securities; the terms and conditions, if any, upon which such global security or securities may be exchanged in whole or in part for other individual debt securities, and the depository for such global security and securities;
- whether the debt securities will be in registered or bearer form and, if in registered form, whether the securities will be issuable, in whole or in part, in the form of a global security;
- the currency of denomination of the debt securities;
- the designation of the currency, currencies, or currency units in which payment of principal of, premium, and interest on the debt securities will be made;
- if payments of principal of, and interest and any additional amounts on the debt securities will be made in one or more currencies or currency units other than that or those in which the debt securities are denominated, the manner in which the exchange rate with respect to these payments will be determined;
- the manner in which the amounts of payment of principal of, premium or interest on the debt securities will be determined, if these amounts may be determined by reference to an index based on a currency or currencies other than that in which the debt securities are denominated or designated to be payable or by reference to a commodity, commodity index, stock exchange index, or financial index;
- any applicability of the defeasance provisions described in this prospectus or any prospectus supplement;
- the trustee for the debt securities;

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- whether and under what circumstances, if any, we will pay additional amounts on any debt securities in respect of any tax, assessment, or governmental charge and, if so, whether we will have the option to redeem the debt securities instead of making this payment;
- any addition to or change in the events of default described in this prospectus or in the indenture with respect to the debt securities and any change in the acceleration provisions described in this prospectus or in the indenture with respect to the debt securities;
- any addition to or change in the covenants described in this prospectus or in the indenture with respect to the debt securities;
- if the debt securities are to be issued upon the exercise of debt warrants, the time, manner, and place for them to be authenticated and delivered;
- any securities exchange on which we will list the debt securities;
- any restrictions on transfer, sale, or other assignment;
- any provisions relating to any security provided for the debt securities;
- any provisions relating to any guarantee of the debt securities;
- any other terms of the debt securities, which may modify or delete any provision of the indenture as it applies to that series; and
- any depositaries, interest rate calculation agents, exchange rate calculation agents, or other agents with respect to the debt securities.

We may issue debt securities that are exchangeable for or convertible into shares of our common stock or other securities or property. The terms, if any, on which the debt securities may be exchanged for or converted into shares of our common stock or other securities or property will be set forth in the applicable prospectus supplement. Such terms may include provisions for conversion, either mandatory, at the option of the holder or at our option, in which case the number of shares of common stock or other securities or property to be received by the holders of debt securities would be calculated as of a time and in the manner stated in the prospectus supplement.

We may issue debt securities at less than the principal amount payable upon maturity. We refer to these securities as “original issue discount securities.” If material or applicable, we will describe in the applicable prospectus supplement special U.S. federal income tax, accounting, and other considerations applicable to original issue discount securities.

If we denominate the purchase price of any of the debt securities in a foreign currency or currencies or a foreign currency unit or units, or if the principal of and interest and any additional amounts on any series of debt securities is payable in a foreign currency or currencies or a foreign currency unit or units, we will describe the restrictions, elections, general tax considerations, specific terms, and provide other information with respect to that issue of debt securities and such foreign currency or currencies or foreign currency unit or units in the applicable prospectus supplement.

Except as may be set forth in any prospectus supplement relating to the debt securities, no indenture will contain any other provisions that would limit our ability to incur indebtedness or that would afford holders of the debt securities protection in the event of a highly leveraged or similar transaction involving us or in the event of a change in control. You should review carefully the applicable prospectus supplement for information with respect to events of default and any covenants applicable to the debt securities being offered.

### **Payments and Paying Agents**

Unless we otherwise indicate in the applicable prospectus supplement, we will make payment of the interest on any debt securities on any interest payment date to the person in whose name the debt securities, or one or more predecessor securities, are registered at the close of business on the regular record date for the interest.

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We will pay principal of, and interest and any additional amounts on, the debt securities of a particular series at the office of the paying agents designated by us, except that, unless we otherwise indicate in the applicable prospectus supplement, we may make interest payments by check, which we will mail to the holder, or by wire transfer to certain holders. Unless we otherwise indicate in a prospectus supplement, we will designate the corporate trust office of the trustee as our sole paying agent for payments with respect to debt securities of each series. We will name in the applicable prospectus supplement any other paying agents that we initially designate for the debt securities of a particular series.

### **Form, Transfer, and Exchange**

Each debt security will be represented by either one or more global securities registered in the name of The Depository Trust Company, as depository, or a nominee of the depository (as a “book-entry debt security”), or a certificate issued in definitive registered form (as a “certificated debt security”), as described in the applicable prospectus supplement. Except as described under “Global Debt Securities and Book-Entry System” below, book-entry debt securities will not be issuable in certificated form.

#### *Certificated Debt Securities*

A holder of our debt securities may transfer or exchange certificated debt securities at the trustee’s office or paying agencies in accordance with the terms of the indenture. No service charge will be made for any transfer or exchange of certificated debt securities, but we may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection with a transfer or exchange.

A holder of our debt securities may transfer certificated debt securities and the right to receive the principal of, and interest and any additional amounts on, certificated debt securities only by surrendering the old certificate representing those certificated debt securities and either we or the trustee will reissue the old certificate to the new holder, or we or the trustee will issue a new certificate to the new holder.

#### *Global Debt Securities and Book-Entry System*

Each global debt security representing book-entry debt securities will be deposited with, or on behalf of, the depository, and registered in the name of the depository or a nominee of the depository. Ownership of beneficial interests in book-entry debt securities will be limited to persons that have accounts with the depository for the related global debt security, whom we refer to as participants, or persons that may hold interests through participants.

Except as described in this prospectus or any applicable prospectus supplement, beneficial owners of book-entry debt securities will not be entitled to have securities registered in their names, will not receive or be entitled to receive physical delivery of a certificate in definitive form representing securities, and will not be considered the owners or holders of those securities under the indenture. Accordingly, to exercise any rights of a holder under the indenture, each person beneficially owning book-entry debt securities must rely on the procedures of the depository for the related global debt security and, if that person is not a participant, on the procedures of the participant through which that person owns its interest.

We understand, however, that under existing industry practice, the depository will authorize the persons on whose behalf it holds a global debt security to exercise certain rights of holders of debt securities, and the indenture provides that we, the trustee, and our respective agents will treat as the holder of a debt security the persons specified in a written statement of the depository with respect to that global debt security for purposes of obtaining any consents or directions required to be given by holders of the debt securities pursuant to the indenture.

We will make payments of principal of, and interest and any additional amounts on, book-entry debt securities to the depository or its nominee, as the case may be, as the registered holder of the related global debt security. We,

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the trustee, and any other agent of ours or agent of the trustee will not have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in a global debt security or for maintaining, supervising, or reviewing any records relating to such beneficial ownership interests.

Any certificated debt securities issued in exchange for a global debt security will be registered in such name or names as the depositary shall instruct the trustee. We expect that such instructions will be based upon directions received by the depositary from participants with respect to ownership of book-entry debt securities relating to such global debt security.

For additional discussion of book entry and certificated securities, see the section entitled “Legal Ownership of Securities” included in this prospectus. We have obtained the foregoing information in this section and the “Legal Ownership of Securities” section concerning the depositary and the depositary’s book-entry system from sources we believe to be reliable. We take no responsibility for the depositary’s performance of its obligations under the rules and regulations governing its operations.

### **No Protection in the Event of a Change in Control**

Unless we provide otherwise in the applicable prospectus supplement, the debt securities will not contain any provisions that may afford holders of the debt securities protection in the event we have a change in control or in the event of a highly leveraged transaction (whether or not such transaction results in a change in control).

### **Covenants**

Unless we provide otherwise in the applicable prospectus supplement, the debt securities will not contain any restrictive covenants, including covenants restricting us or any of our subsidiaries from incurring, issuing, assuming, or guaranteeing any indebtedness secured by a lien on any of our or our subsidiaries’ property or capital stock or restricting us or any of our subsidiaries from entering into any sale and leaseback transactions.

### **Merger, Consolidation, and Sale of Assets**

Unless we provide otherwise in the applicable prospectus supplement, we may not merge with or into or consolidate with, or convey, transfer, or lease all or substantially all of our properties and assets to, any person (a “successor person”), unless the following applies:

- either (a) the company is the surviving entity or (b) the successor person is a corporation, partnership, trust, or other entity organized and validly existing under the laws of any U.S. domestic jurisdiction and expressly assumes our obligations on the debt securities and under the indenture;
- immediately after giving effect to the transaction, no event of default, and no event that, after notice or lapse of time, or both, would become an event of default, will have occurred and be continuing under the indenture; and
- certain other conditions that may be set forth in the applicable prospectus supplement are met.

This covenant would not apply to any recapitalization transaction, a change in control of us, or a transaction in which we incur a large amount of additional debt unless the transactions or change in control included a merger, consolidation, or transfer or lease of substantially all of our assets. Except as may be described in the applicable prospectus supplement, there are no covenants or other provisions in the indenture providing for a “put” right or increased interest or that would otherwise afford holders of debt securities additional protection in the event of a recapitalization transaction, a change in control of us, or a transaction in which we incur a large amount of additional debt.

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### **Events of Default Under the Indenture**

Unless we provide otherwise in the applicable prospectus supplement, an “event of default” will mean, with respect to any series of debt securities, any of the following:

- default in the payment of any interest upon any debt security of that series when it becomes due and payable and continuance of that default for a period of 30 days (unless the entire amount of such payment is deposited by us with the trustee or with a paying agent before the expiration of the 30-day period);
- default in the payment of principal of, and any other amounts due on, any debt security of that series when due and payable either at maturity, redemption, or otherwise;
- default in the deposit of any sinking fund payment, when and as due in respect of any debt security of that series;
- default in the performance or breach of any other covenant or warranty by us in the indenture (other than a covenant or warranty that has been included in the indenture solely for the benefit of a series of debt securities other than that series) or in the debt security, which default continues uncured for a period of 60 days after we receive written notice from the trustee or we and the trustee receive written notice from the holders of not less than a majority in principal amount of the outstanding debt securities of that series as provided in the indenture;
- we, pursuant to or within the meaning of any applicable bankruptcy law, commence a voluntary case, consent to the entry of an order for relief against us in an involuntary case, consent to the appointment of a custodian for all or substantially all of our property, make a general assignment for the benefit of our creditors, or admit in writing our inability generally to pay our debts as they become due; or, similarly, a court enters an order or decree under any applicable bankruptcy law that provides for relief against us in an involuntary case, appoints a custodian for all or substantially all of our properties, or orders our liquidation (and the order remains in effect for 60 days); and
- any other event of default provided with respect to debt securities of that series that is included in any supplemental indenture or is described in the applicable prospectus supplement accompanying this prospectus.

No event of default with respect to a particular series of debt securities (except as to certain events of bankruptcy, insolvency, or reorganization) necessarily will constitute an event of default with respect to any other series of debt securities. An event of default may also be an event of default under our bank credit agreements or other debt securities in existence from time to time and under certain guaranties by us of any subsidiary indebtedness. In addition, certain events of default or an acceleration under the indenture may also be an event of default under some of our other indebtedness outstanding from time to time.

Unless we provide otherwise in the applicable prospectus supplement, if an event of default with respect to debt securities of any series at the time outstanding occurs and is continuing (other than certain events of our bankruptcy, insolvency, or reorganization), then the trustee or the holders of not less than a majority in principal amount of the outstanding debt securities of that series may, by written notice to us (and to the trustee if given by the holders), declare to be due and payable immediately the principal (or, if the debt securities of that series are discount securities, that portion of the principal amount as may be specified in the terms of that series) of and accrued and unpaid interest, if any, of all debt securities of that series. In the case of an event of default resulting from certain events of bankruptcy, insolvency, or reorganization, the principal (or such specified amount) of and accrued and unpaid interest, if any, of all outstanding debt securities will become and be immediately due and payable without any declaration or other act by the trustee or any holder of outstanding debt securities.

At any time after an acceleration with respect to debt securities of a series has been made, but before a judgment or decree for payment of the money due has been obtained by the trustee, the holders of not less than a majority

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in principal amount of the outstanding debt securities of that series may cancel the acceleration and annul its consequences if the rescission would not conflict with any judgment or decree and if all existing events of default with respect to that series have been cured or waived except nonpayment of principal (or such lesser amount) or interest that has become due solely because of the acceleration.

The indenture also provides that the holders of not less than a majority in principal amount of the outstanding debt securities of any series may waive any past default with respect to that series and its consequences, except a default involving the following:

- our failure to pay the principal of, and interest and any additional amounts on, any debt security; or
- a covenant or provision contained in the indenture that cannot be modified or amended without the consent of the holders of each outstanding debt security affected by the default.

The trustee is generally required to give notice to the holders of debt securities of each affected series within 90 days of a default actually known to a responsible officer of the trustee unless the default has been cured or waived. The indenture provides that the trustee may withhold notice to the holders of debt securities of any series of any default or event of default (except in payment on any debt securities of that series) with respect to debt securities of that series if it in good faith determines that withholding notice is in the interest of the holders of those debt securities.

Unless we provide otherwise in the applicable prospectus supplement, the indenture will provide that the trustee will be under no obligation to exercise any of its rights or powers under the indenture at the request or discretion of any holder of any such outstanding debt securities unless the trustee receives indemnity satisfactory to it against any loss, liability, or expense. Subject to certain rights of the trustee, the holders of a majority in principal amount of the outstanding debt securities of any series will have the right to direct the time, method, and place of conducting any proceeding for any remedy available to the trustee or exercising any trust or power conferred on the trustee with respect to the debt securities of that series. The trustee may, however, refuse to follow any discretion that conflicts with the indenture or any law or which may be unduly prejudicial to the holders of the debt securities of the applicable series not joining in the discretion.

Unless we provide otherwise in the applicable prospectus supplement, no holder of any debt security of any series will have any right to institute any proceeding, judicial or otherwise, with respect to the indenture or for the appointment of a receiver or trustee, or for any remedy under the indenture, unless:

- that holder has previously given to the trustee written notice of a continuing event of default with respect to debt securities of that series; and
- the holders of at least 25% in principal amount of the outstanding debt securities of that series have made written request, and offered reasonable indemnity, to the trustee to institute such proceeding as trustee, and the trustee will not have received from the holders of a majority in principal amount of the outstanding debt securities of that series a direction inconsistent with that request and has failed to institute the proceeding within 60 days.

Notwithstanding the foregoing, except as provided in the subordination provisions, if any, the holder of any debt security will have an absolute and unconditional right to receive payment of the principal of, and any interest or additional amounts on, that debt security on or after the due dates expressed in that debt security and to institute suit for the enforcement of payment.

The indenture requires us, within 120 days after the end of our fiscal year, to furnish to the trustee a certificate as to compliance with the indenture, or, in the event of noncompliance, specify the noncompliance and the nature and status of the noncompliance.

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**Modification of Indenture and Waiver**

Except as specified below, modifications and amendments to the indenture require the approval of not less than a majority in principal amount of our outstanding debt securities.

*Changes Requiring the Unanimous Approval*

We and the trustee may not make any modification or amendment to the indenture without the consent of the holder of each affected debt security then outstanding if that amendment will have any of the following results:

- reduce the rate of or extend the time for payment of interest on any debt security;
- reduce the principal of or change the fixed maturity of any debt security or waive a redemption payment or alter the redemption provisions on any debt security;
- reduce the amount of, or postpone the date fixed for, the payment of any sinking fund or analogous obligation with respect to any series of debt securities;
- reduce the principal amount of discount securities payable upon acceleration of maturity;
- waive a default in the payment of the principal, interest, or any additional amounts on any debt security, except a rescission of acceleration of the debt securities of any series by the holders of at least a majority in aggregate principal amount of the then outstanding debt securities of that series and a waiver of the payment default that resulted from that acceleration;
- make the principal of, or interest or any additional amounts on, any debt security payable in currency other than that stated in the debt security;
- change the place of payment on a debt security;
- change the currency or currencies of payment of the principal of, and any premium, make-whole payment, interest, or additional amounts on, any debt security;
- impair the right to initiate suit for the enforcement of any payment on or with respect to any debt security;
- reduce the percentage of holders of debt securities whose consent is needed to modify or amend an indenture;
- reduce the percentage of the holders of outstanding debt securities of any series necessary to modify or amend the indenture, to waive compliance with provisions of the indenture or defaults and their consequences under the indenture, or to reduce the quorum or voting requirements contained in the indenture;
- make any change that adversely affects the right to convert or exchange any debt security other than as permitted by the indenture or decrease the conversion or exchange rate or increase the conversion or exchange price of any such debt security;
- waive a redemption payment with respect to any debt security; or
- make any change to certain provisions of the indenture relating to, among other things, the right of holders of debt securities to receive payment of the principal of, and interest and any additional amount on, those debt securities, the right of holders to institute suit for the enforcement of any payment or the right of holders to waive past defaults.

*Changes Not Requiring Approval of Debt Holders*

We and the trustee may modify or amend an indenture, without the consent of any holder of debt securities, for any of the following purposes:

- to evidence the succession of another person to us as obligor under the indenture;

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- to add to our existing covenants additional covenants for the benefit of the holders of all or any series of debt securities, or to surrender any right or power conferred upon us in the indenture;
- to add events of default for the benefit of the holders of all or any series of debt securities;
- to add or change any provisions of the indenture to facilitate the issuance of, or to liberalize the terms of, debt securities in bearer form, or to permit or facilitate the issuance of debt securities in uncertificated form, provided that this action will not adversely affect the interests of the holders of the debt securities of any series in any material respect;
- to add, change, or eliminate any provisions of the indenture, provided that any addition, change, or elimination (a) shall neither (i) apply to any debt security of any series created prior to the execution of such supplemental indenture and entitled to the benefit of such provision nor (ii) modify the rights of the holder of any debt security with respect to such provision, or (b) shall become effective only when there are no outstanding debt securities;
- to establish additional series of debt securities;
- to secure previously unsecured debt securities;
- to establish the form or terms of debt securities of any series, including the provisions and procedures, if applicable, for the conversion or exchange of the debt securities into our common stock, preferred stock, or other securities or property;
- to evidence and provide for the acceptance or appointment of a successor trustee or facilitate the administration of the trusts under the indenture by more than one trustee;
- to make any provision with respect to the conversion or exchange of rights of holders pursuant to the requirements of the indenture;
- to cure any ambiguity, defect, or inconsistency in the indenture, provided that the action does not adversely affect the interests of holders of debt securities of any series issued under the indenture;
- to close the indenture with respect to the authentication and delivery of additional series of debt securities or to qualify, or maintain qualification of, the indenture under the Trust Indenture Act; or
- to supplement any of the provisions of the indenture to the extent necessary to permit or facilitate defeasance and discharge of any series of debt securities, provided that the action shall not adversely affect the interests of the holders of the debt securities of any series in any material respect.

A vote by holders of debt securities will not be required for clarifications and certain other changes that would not adversely affect holders of the debt securities.

### **Defeasance of Debt Securities and Certain Covenants in Certain Circumstances**

#### *Legal Defeasance*

Unless the terms of the applicable series of debt securities provide otherwise, we may be discharged from any and all obligations in respect of the debt securities of any series (except for certain obligations to register the transfer or exchange of debt securities of the series; to replace stolen, lost, or mutilated debt securities of the series; and to maintain paying agencies and certain provisions relating to the treatment of funds held by paying agents). We will be so discharged upon the deposit with the trustee, in trust, of money and/or U.S. government obligations or, in the case of debt securities denominated in a single currency other than U.S. dollars, foreign government obligations (as described at the end of this section), that, through the payment of interest and principal in accordance with their terms, will provide money in an amount sufficient to pay and discharge each installment of principal, interest, and any additional amounts on and any mandatory sinking fund payments in respect of the debt securities of that series on the stated maturity of such payments in accordance with the terms of the indenture and those debt securities.

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This discharge may occur only if, among other things, we have delivered to the trustee an officers' certificate and an opinion of counsel stating that we have received from, or there has been published by, the U.S. Internal Revenue Service a ruling or, since the date of execution of the indenture, there has been a change in the applicable U.S. federal income tax law, in either case to the effect that holders of the debt securities of such series will not recognize income, gain, or loss for U.S. federal income tax purposes as a result of the deposit, defeasance, and discharge and will be subject to U.S. federal income tax on the same amount and in the same manner and at the same times as would have been the case if the deposit, defeasance, and discharge had not occurred.

### *Defeasance of Certain Covenants*

Unless the terms of the applicable series of debt securities provide otherwise, upon compliance with certain conditions, we may omit to comply with the restrictive covenants contained in the indenture (except for certain obligations to maintain paying agencies and certain provisions relating to the treatment of funds held by paying agents), as well as any additional covenants contained in the applicable prospectus supplement.

The conditions include, among others, the following:

- depositing with the trustee money and/or U.S. government obligations or, in the case of debt securities denominated in a single currency other than U.S. dollars, foreign government obligations, that, through the payment of interest and principal in accordance with their terms, will provide money in an amount sufficient, in the opinion of a nationally recognized firm of independent public accountants, to pay principal, interest, and any additional amounts on and any mandatory sinking fund payments in respect of the debt securities of that series on the stated maturity of those payments in accordance with the terms of the indenture and those debt securities; and
- delivering to the trustee an opinion of counsel to the effect that the holders of the debt securities of that series will not recognize income, gain, or loss for U.S. federal income tax purposes as a result of the deposit and related covenant defeasance and will be subject to U.S. federal income tax in the same amount and in the same manner and at the same times as would have been the case if the deposit and related covenant defeasance had not occurred.

### *Covenant Defeasance and Events of Default*

If we exercise our option, as described above, not to comply with certain covenants of the indenture with respect to any series of debt securities, and the debt securities of that series are declared due and payable because of the occurrence of any event of default, the amount of money and/or U.S. government obligations or foreign government obligations on deposit with the trustee will be sufficient to pay amounts due on the debt securities of that series at the time of their stated maturity but may not be sufficient to pay amounts due on the debt securities of that series at the time of the acceleration resulting from the event of default. However, we will remain liable for those payments.

“Foreign government obligations” means, with respect to debt securities of any series that are denominated in a currency other than U.S. dollars:

- direct obligations of the government that issued or caused to be issued such currency for the payment of which obligations its full faith and credit is pledged, which are not callable or redeemable at the option of the issuer thereof; or
- obligations of a person controlled or supervised by or acting as an agency or instrumentality of that government, the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by that government, which are not callable or redeemable at the option of the issuer thereof.

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### **Guarantees**

Our payment obligations under any series of debt securities may be guaranteed by us or one or more of our subsidiaries. The terms of any such guarantee will be set forth in the applicable prospectus supplement.

### **Subordination**

We will set forth in the applicable prospectus supplement the terms and conditions, if any, upon which any series of senior subordinated securities or subordinated securities is subordinated to debt securities of another series or to other indebtedness of ours. The terms will include a description of the following:

- the indebtedness ranking senior to the debt securities being offered;
- any restrictions on payments to the holders of the debt securities being offered while a default with respect to the senior indebtedness is continuing;
- any restrictions on payments to the holders of the debt securities being offered following an event of default; and
- provisions requiring holders of the debt securities being offered to remit some payments to holders of senior indebtedness.

### **Conversion and Exchange Rights**

The terms on which debt securities of any series may be convertible into or exchangeable for our common stock, preferred stock, or other securities or property of our company will be described in the applicable prospectus supplement. These terms will include the following:

- the conversion or exchange price, or the manner of calculating the price;
- the exchange or conversion period;
- whether the conversion or exchange is mandatory, or voluntary at the option of the holder, or at our option;
- any restrictions on conversion or exchange in the event of redemption of the debt securities and any restrictions on conversion or exchange; and
- the means of calculating the number of shares of our common stock, preferred stock, or other securities or property of our company to be received by the holders of debt securities.

The conversion or exchange price of any debt securities of any series that are convertible into our common stock or preferred stock may be adjusted for any stock dividends, stock splits, reclassification, combinations, or similar transactions, as set forth in the applicable prospectus supplement.

### **Redemption of Debt Securities**

The debt securities may be subject to optional or mandatory redemption on terms and conditions described in the applicable prospectus supplement. Subject to such terms, we may opt at any time to redeem the debt securities in whole or in part.

If less than all the debt securities of any series are to be redeemed or purchased in an offer to purchase at any time, the trustee will select the debt securities of that series to be redeemed or purchased as follows: (1) if the securities of such series are listed on any national securities exchange, in compliance with the requirements of the principal national securities exchange on which the debt securities of that series are listed, or, (2) if the debt securities of that series are not listed on a national securities exchange, on a pro rata basis, by lot, or by such other method as the trustee deems fair and appropriate.

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Except as otherwise provided as to any particular series of debt securities, at least 30 days but not more than 60 days before a redemption date, we or the trustee will mail a notice of redemption to each holder whose debt securities are to be redeemed. From and after notice has been given as provided in the applicable indenture, if funds for the redemption of any debt securities called for redemption shall have been made available on the redemption date, the debt securities will cease to bear interest on the date fixed for the redemption specified in the notice, and the only right of the holders of the debt securities will be to receive payment of the redemption price.

### **Governing Law**

The indentures and the debt securities will be governed by and construed in accordance with the laws of the state of New York, except to the extent that the Trust Indenture Act is applicable.

## **DESCRIPTION OF DEPOSITARY SHARES**

We may issue receipts for depositary shares representing fractional shares of preferred stock. The fractional share of the applicable series of preferred stock represented by each depositary share will be set forth in the applicable prospectus supplement.

The shares of any series of preferred stock underlying any depositary shares that we may sell under this prospectus will be deposited under a deposit agreement between us and a depositary selected by us. Subject to the terms of the deposit agreement, each holder of a depositary share will be entitled, in proportion to the applicable fraction of a share of the preferred stock underlying the depositary share, to all of the rights, preferences, and privileges, and will be subject to the qualifications and restrictions, of the preferred stock underlying that depositary share.

The depositary shares will be evidenced by depositary receipts issued under the deposit agreement. Depositary receipts will be distributed to the holders of the depositary shares that are sold in the applicable offering. We will incorporate by reference into the registration statement of which this prospectus forms a part the form of any deposit agreement, including a form of depositary receipt, that describes the terms of any depositary shares we are offering before the issuance of the related depositary shares. The following summaries of material provisions of the deposit agreement, the depositary shares and the depositary receipts are subject to, and qualified in their entirety by reference to, all of the provisions of the deposit agreement applicable to a particular offering of depositary shares. We urge you to read the prospectus supplements relating to any depositary shares that are sold under this prospectus, as well as the complete deposit agreement and depositary receipt.

### **Form**

Pending the preparation of definitive depositary receipts, the depositary may, upon our written order, issue temporary depositary receipts substantially identical to the definitive depositary receipts but not in definitive form. These temporary depositary receipts will entitle their holders to all of the rights of definitive depositary receipts. Temporary depositary receipts will then be exchangeable for definitive depositary receipts at our expense.

### **Dividends and Other Distributions**

The depositary will distribute all cash dividends or other cash distributions received with respect to the underlying preferred stock to the record holders of depositary shares in proportion to the number of depositary shares owned by those holders.

If there is a distribution other than in cash, the depositary will distribute property received by it to the record holders of depositary shares in proportion to the number of depositary shares owned by those holders, unless the

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depository determines that it is not feasible to do so. If this occurs, the depository may, with our approval, sell the property and distribute the net proceeds from the sale to those holders in proportion to the number of depository shares owned by them.

The amount distributed to holders of depository shares will be reduced by any amounts required to be withheld by us or the preferred stock depository on account of taxes or other governmental charges.

### **Liquidation Preference**

If a series of preferred stock underlying the depository shares has a liquidation preference, in the event of our voluntary or involuntary liquidation, dissolution, or winding up, holders of depository shares will be entitled to receive the fraction of the liquidation preference accorded each share of the applicable series of preferred stock, as set forth in the applicable prospectus supplement.

### **Withdrawal of Underlying Preferred Stock**

Except as otherwise provided in a prospectus supplement, holders may surrender depository receipts at the principal office of the depository and, upon payment of any unpaid amount due to the depository, be entitled to receive the number of whole shares of underlying preferred stock and all money and other property represented by the related depository shares. We will not issue any partial shares of preferred stock. If the holder delivers depository receipts evidencing a number of depository shares that represent more than a whole number of shares of preferred stock, the depository will issue a new depository receipt evidencing the excess number of depository shares to the holder.

### **Redemption of Depository Shares**

If the preferred stock underlying any depository shares we may sell under this prospectus is subject to redemption, the depository shares will be redeemed from the proceeds received by the depository resulting from any such redemption, in whole or in part, of that underlying preferred stock. The redemption price per depository share will be equal to the applicable fraction of the redemption price per share payable with respect to the underlying preferred stock. Whenever we redeem shares of underlying preferred stock that are held by the depository, the depository will redeem, as of the same redemption date, the number of depository shares representing the shares of underlying preferred stock so redeemed. If fewer than all of the depository shares are to be redeemed, the depository shares to be redeemed will be selected by lot or proportionately, as may be determined by the depository.

After the date fixed for redemption, the depository shares called for redemption will no longer be deemed to be outstanding, and all rights of the holders of the depository shares will cease, except the right to receive the monies payable and any other property to which the holders were entitled upon the redemption upon surrender to the preferred stock depository of the depository receipts evidencing the depository shares. Any funds deposited by us with the preferred stock depository for any depository shares that the holders fail to redeem will be returned to us after a period of two years from the date the funds are deposited.

### **Voting**

Upon receipt of notice of any meeting at which holders of the preferred stock underlying any depository shares that we may sell under this prospectus are entitled to vote, the depository will mail the information contained in the notice to the record holders of the depository shares. Each record holder of the depository shares on the record date, which will be the same date as the record date for the underlying preferred stock, will be entitled to instruct the depository as to the exercise of the voting rights pertaining to the amount of the underlying preferred stock represented by the holder's depository shares. The depository will then try, as far as practicable, to vote the number of shares of preferred stock underlying those depository shares in accordance with those instructions, and

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we will agree to take all reasonable actions which may be deemed necessary by the depositary to enable the depositary to do so. The depositary will not vote the underlying preferred stock to the extent it does not receive specific instructions with respect to the depositary shares representing such preferred stock.

### **Conversion of Preferred Stock**

If the prospectus supplement relating to any depositary shares that we may sell under this prospectus states that the underlying preferred stock is convertible into our common stock or other securities, the following will apply. The depositary shares, as such, will not be convertible into any of our securities. Rather, any holder of the depositary shares may surrender the related depositary receipts to the depositary with written instructions that direct us to cause conversion of the preferred stock represented by the depositary shares into or for whole shares of our common stock or other securities, as applicable. Upon receipt of those instructions and any amounts payable by the holder in connection with the conversion, we will cause the conversion using the same procedures as those provided for conversion of the underlying preferred stock. If only some of a holder's depositary shares are converted, a new depositary receipt or receipts will be issued to the holder for any depositary shares not converted.

### **Amendment and Termination of the Deposit Agreement**

The form of depositary receipt evidencing the depositary shares and any provision of the deposit agreement may at any time be amended by agreement between us and the depositary. However, any amendment which materially and adversely alters the rights of the holders of depositary shares will not be effective until 90 days after notice of that amendment has been given to the holders. Each holder of depositary shares at the time any amendment becomes effective shall be deemed to consent and agree to that amendment and to be bound by the deposit agreement as so amended. The deposit agreement may be terminated by us or by the depositary only if all outstanding depositary shares have been redeemed or converted into any other securities into which the underlying preferred stock is convertible or there has been a final distribution, including to holders of depositary receipts, of the underlying preferred stock in connection with our liquidation, dissolution, or winding up.

### **Charges of Depositary**

We will pay all transfer and other taxes and governmental charges arising solely from the existence of the depositary arrangement. We will also pay charges of the depositary in connection with the initial deposit of the preferred stock, the initial issuance of the depositary shares, any redemption of the preferred stock, and all withdrawals of preferred stock by owners of depositary shares. Holders of depositary receipts will pay transfer, income, and other taxes and governmental charges and other specified charges as provided in the deposit arrangement for their accounts. If these charges have not been paid, the depositary may refuse to transfer depositary shares, withhold dividends and distributions, and sell the depositary shares evidenced by the depositary receipt.

### **Limitation on Liability**

Neither we nor the depositary will be liable if either of us is prevented or delayed by law or any circumstance beyond our control in performing our respective obligations under the deposit agreement. Our obligations and those of the depositary will be limited to performance of our respective duties under the deposit agreement without, in our case, negligence or bad faith or, in the case of the depositary, negligence or willful misconduct. We and the depositary may rely upon advice of counsel or accountants, or upon information provided by persons presenting the underlying preferred stock for deposit, holders of depositary receipts, or other persons believed by us in good faith to be competent and on documents believed to be genuine.

### **Corporate Trust Office of Preferred Stock Depositary**

The preferred stock depositary's corporate trust office will be set forth in the applicable prospectus supplement relating to a series of depositary shares. The preferred stock depositary will act as transfer agent and registrar for

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depository receipts, and, if shares of a series of preferred stock are redeemable, the preferred stock depository will act as redemption agent for the corresponding depository receipts.

**Resignation and Removal of Depository**

The depository may resign at any time by delivering notice to us of its election to resign. We may remove the depository at any time. Any resignation or removal will take effect upon the appointment of a successor depository and its acceptance of the appointment. The successor depository must be appointed within 60 days after delivery of the notice of resignation or removal and must be a bank or trust company having its principal office in the United States and having a combined capital and surplus of at least \$50,000,000.

**Reports to Holders**

We will deliver all required reports and communications to holders of the preferred stock to the preferred stock depository, and it will forward those reports and communications to the holders of depository shares. Upon request, the preferred stock depository will provide for inspection to the holders of depository shares the transfer books of the depository and the list of holders of receipts; provided that any requesting holder certifies to the preferred stock depository that such inspection is for a proper purpose reasonably related to such person's interest as an owner of depository shares evidenced by the receipts.

**DESCRIPTION OF WARRANTS**

**General**

We may issue warrants to purchase common stock, which we refer to as common stock warrants, preferred stock, which we refer to as preferred stock warrants, debt securities, which we refer to as debt security warrants, or depository shares, which we refer to as depository share warrants. Any of these warrants may be issued independently or together with any other securities offered by this prospectus and may be attached to or separate from those securities.

While the terms we have summarized below will generally apply to any future warrants we may offer under this prospectus, we will describe the particular terms of any warrants that we may offer in more detail in the applicable prospectus supplement. The terms of any warrants we offer under a prospectus supplement may differ from the terms we describe below.

We may issue the warrants under a warrant agreement, which we will enter into with a warrant agent to be selected by us. Each warrant agent will act solely as our agent under the applicable warrant agreement and will not assume any obligation or relationship of agency or trust with any holder of any warrant. A single bank or trust company may act as warrant agent for more than one issue of warrants. A warrant agent will have no duty or responsibility in case of any default by us under the applicable warrant agreement or warrant, including any duty or responsibility to initiate any proceedings at law or otherwise, or to make any demand upon us. Any holder of a warrant may, without the consent of the related warrant agent or the holder of any other warrant, enforce by appropriate legal action its right to exercise, and receive the securities purchasable upon exercise of, its warrants.

We will incorporate by reference into the registration statement of which this prospectus forms a part the form of warrant agreement, including a form of warrant certificate, that describes the terms of the series of warrants we are offering before the issuance of the related series of warrants. The following summaries of material provisions of the warrants and the warrant agreements are subject to, and qualified in their entirety by reference to, all the provisions of the warrant agreement applicable to a particular series of warrants. We urge you to read the applicable prospectus supplements related to the warrants that we sell under this prospectus, as well as the complete warrant agreements that contain the terms of the warrants.

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We will set forth in the applicable prospectus supplement the terms of the warrants in respect of which this prospectus is being delivered, including, when applicable, the following:

- the title of the warrants;
- the aggregate number of the warrants;
- the price or prices at which the warrants will be issued;
- the designation, number, and terms of the securities purchasable upon exercise of the warrants;
- the designation and terms of the other securities, if any, with which the warrants are issued and the number of warrants issued with each such security;
- the date, if any, on and after which the warrants and the related underlying securities will be separately transferable;
- the price at which each underlying security purchasable upon exercise of the warrants may be purchased;
- the date on which the right to exercise the warrants will commence and the date on which such right will expire;
- the minimum amount of the warrants that may be exercised at any one time;
- any information with respect to book-entry procedures;
- the effect of any merger, consolidation, sale, or other disposition of our business on the warrant agreement and the warrants;
- any other terms of the warrants, including terms, procedures, and limitations relating to the transferability, exchange, and exercise of such warrants;
- the terms of any rights to redeem or call, or accelerate the expiration of, the warrants;
- the date on which the right to exercise the warrants begins and the date on which that right expires;
- the U.S. federal income tax consequences of holding or exercising the warrants; and
- any other specific terms, preferences, rights, or limitations of, or restrictions on, the warrants.

Unless specified in an applicable prospectus supplement, common stock warrants, preferred stock warrants, debt security warrants, or depositary shares warrants will be in registered form only.

A holder of warrant certificates may exchange them for new certificates of different denominations, present them for registration of transfer, and exercise them at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Until any common stock warrants, preferred stock warrants, debt security warrants, or depositary shares warrants are exercised, holders of the warrants will not have any rights of holders of the underlying common stock, preferred stock, debt securities, or depositary shares, including any rights to receive dividends or to exercise any voting rights, except to the extent set forth under the heading “Warrant Adjustments” below.

### **Exercise of Warrants**

Each warrant will entitle the holder to purchase for cash shares of common stock, preferred stock, debt securities, or depositary shares at the applicable exercise price set forth in, or determined as described in, the applicable prospectus supplement. Warrants may be exercised at any time up to the close of business on the expiration date set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will become void.

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Warrants may be exercised by delivering to the corporation trust office of the warrant agent or any other officer indicated in the applicable prospectus supplement (a) the warrant certificate properly completed and duly executed and (b) payment of the amount due upon exercise. As soon as practicable following exercise, we will forward the shares of common stock, preferred stock, debt securities, or depositary shares. If less than all of the warrants represented by a warrant certificate are exercised, a new warrant certificate will be issued for the remaining warrants. If we so indicate in the applicable prospectus supplement, holders of the warrants may surrender securities as all or a part of the exercise price for the warrants.

### **Amendments and Supplements to the Warrant Agreements**

We may amend or supplement a warrant agreement without the consent of the holders of the applicable warrants to cure ambiguities in the warrant agreement, to cure or correct a defective provision in the warrant agreement, or to provide for other matters under the warrant agreement that we and the warrant agent deem necessary or desirable, so long as, in each case, such amendments or supplements do not materially and adversely affect the interests of the holders of the warrants.

### **Warrant Adjustments**

Unless the applicable prospectus supplement states otherwise, the exercise price of, and the number of securities covered by, a common stock warrant, preferred stock warrant, debt security warrant, or depositary share warrant will be adjusted proportionately if we subdivide or combine our common stock, preferred stock, debt securities, or depositary shares, as applicable. In addition, unless the prospectus supplement states otherwise, if we, without payment:

- issue capital stock or other securities convertible into or exchangeable for common stock or preferred stock, or any rights to subscribe for, purchase, or otherwise acquire any of the foregoing, as a dividend or distribution to holders of our common stock or preferred stock;
- pay any cash to holders of our common stock or preferred stock other than a cash dividend paid out of our current or retained earnings or other than in accordance with the terms of the preferred stock;
- issue any evidence of our indebtedness or rights to subscribe for or purchase our indebtedness to holders of our common stock or preferred stock; or
- issue common stock or preferred stock or additional stock or other securities or property to holders of our common stock or preferred stock by way of spinoff, split-up, reclassification, combination of shares, or similar corporate rearrangement,

then the holders of common stock warrants, preferred stock warrants, debt security warrants, and depositary share warrants, as applicable, will be entitled to receive upon exercise of the warrants, in addition to the securities otherwise receivable upon exercise of the warrants and without paying any additional consideration, the amount of stock and other securities and property such holders would have been entitled to receive had they held our common stock, preferred stock, debt securities, or depositary shares, as applicable, issuable under the warrants on the dates on which holders of those securities received or became entitled to receive such additional stock and other securities and property.

Except as stated above, the exercise price and number of securities covered by a common stock warrant, preferred stock warrant, debt security warrant, and depositary share warrant, and the amounts of other securities or property to be received, if any, upon exercise of those warrants, will not be adjusted or provided for if we issue those securities or any securities convertible into or exchangeable for those securities, or securities carrying the right to purchase those securities or securities convertible into or exchangeable for those securities.

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Holders of common stock warrants, preferred stock warrants, debt security warrants, and depositary share warrants may have additional rights under the following circumstances:

- certain reclassifications, capital reorganizations, or changes of our common stock, preferred stock, or depositary shares, as applicable;
- certain share exchanges, mergers, or similar transactions involving us and which result in changes of our common stock, preferred stock, or depositary shares, as applicable; or
- certain sales or dispositions to another entity of all or substantially all of our property and assets.

If one of the above transactions occurs and holders of our common stock, preferred stock, debt securities, or depositary shares are entitled to receive stock, securities, or other property with respect to or in exchange for their securities, the holders of our common stock warrants, preferred stock warrants, debt security warrants, and depositary share warrants then outstanding, as applicable, will be entitled to receive upon exercise of their warrants the kind and amount of shares of stock and other securities or property that they would have received upon the applicable transaction if they had exercised their warrants immediately before the transaction.

### **DESCRIPTION OF PURCHASE CONTRACTS**

We may issue purchase contracts, including contracts obligating holders to purchase from us, and for us to sell to holders, a specific or varying number of debt securities, shares of common stock or preferred stock, depositary shares, warrants, or any combination of the above, at a future date or dates. Alternatively, the purchase contracts may obligate us to purchase from holders, and obligate holders to sell to us, a specific or varying number of debt securities, shares of common stock or preferred stock, depositary shares, warrants, or any combination of the above. The price of the securities subject to the purchase contracts may be fixed at the time the purchase contracts are issued or may be determined by reference to a specific formula described in the purchase contracts. We may issue purchase contracts separately or as a part of units each consisting of a purchase contract and one or more of the other securities described in this prospectus or securities of third parties, including U.S. Treasury securities, securing the holder's obligations under the purchase contract. If we issue a purchase contract as part of a unit, the applicable prospectus supplement will state whether the purchase contract will be separable from the other securities in the unit before the purchase contract settlement date. The purchase contracts may require us to make periodic payments to holders or vice versa and the payments may be unsecured or pre-funded on some basis. The purchase contracts may require holders to secure the holder's obligations in a manner specified in the applicable prospectus supplement, and in certain circumstances, we may deliver newly issued prepaid purchase contracts, often known as prepaid securities, upon release to a holder of any collateral securing such holder's obligations under the original purchase contract.

We will incorporate by reference into the registration statement of which this prospectus forms a part the form of purchase contract we are offering before the issuance of the purchase contract. The following summaries of material provisions of the purchase contract are subject to, and qualified in their entirety by reference to, all the provisions of the purchase contract. We urge you to read the applicable prospectus supplements related to the purchase contracts that we sell under this prospectus, as well as the complete purchase contract.

The applicable prospectus supplement will describe the terms of any purchase contracts in respect of which this prospectus is being delivered, including, to the extent applicable, the following:

- whether the purchase contracts obligate the holder or us to purchase or sell, or both purchase and sell, the securities subject to purchase under the purchase contract, and the nature and amount of each of those securities, or the method of determining those amounts;
- whether the purchase contracts are to be prepaid or not;
- whether the purchase contracts will be issued as part of a unit and, if so, the other securities comprising the unit;

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- whether the purchase contracts are to be settled by delivery, or by reference or linkage to the value, performance, or level of the securities subject to purchase under the purchase contract;
- any acceleration, cancellation, termination, or other provisions relating to the settlement of the purchase contracts; and
- whether the purchase contracts will be issued in fully registered or global form.

Material U.S. federal income tax consideration applicable to the purchase contracts and the purchase units will also be discussed in the applicable prospectus supplement.

### **DESCRIPTION OF UNITS**

The following description, together with the additional information we include in any applicable prospectus supplement, summarizes the material terms and provisions of the units that we may offer under this prospectus. Units may be offered independently or together with common stock, preferred stock, debt securities, depositary shares, and warrants offered by any prospectus supplement, and may be attached to or separate from those securities. While the terms we have summarized below will generally apply to any future units that we may offer under this prospectus, we will describe the particular terms of any series of units that we may offer 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 incorporate by reference into the registration statement of which this prospectus forms a part the form of unit agreement, including a form of unit certificate, if any, that describes the terms of the series of units we are offering before the issuance of the related series of units. The following summaries of material provisions of the units and the unit agreements are subject to, and qualified in their entirety by reference to, all the provisions of the unit agreement applicable to a particular series of units. We urge you to read the applicable prospectus supplements related to the units that we sell under this prospectus, as well as the complete unit agreements that contain the terms of the units.

#### **General**

We may issue units consisting of common stock, preferred stock, debt securities, depositary shares, and warrants 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, including the following:

- 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.

The provisions described in this section, as well as those described under “Description of Capital Stock,” “Description of Debt Securities,” “Description of Depositary Shares,” and “Description of Warrants,” will apply to each unit and to any common stock, preferred stock, debt security, depositary share, or warrant included in each unit, respectively.

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**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, without the consent of the related unit agent or the holder of any other unit, may enforce by appropriate legal action its rights as holder under any security included in the unit.

**Title**

We, the 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 purposes and as the person entitled to exercise the rights attaching to the units so requested, despite any notice to the contrary.

**LEGAL OWNERSHIP OF SECURITIES**

We can issue securities in registered form or in the form of one or more global securities. We refer to those persons who have securities registered in their own names on the books that we or any applicable trustee, depositary or warrant agent maintain for this purpose as the “holders” of those securities. These persons are the legal holders of the securities. We refer to those persons who, indirectly through others, own beneficial interests in securities that are not registered in their own names, as “indirect holders” of those securities. As we discuss below, indirect holders are not legal holders, and investors in securities issued in book-entry form or in street name will be indirect holders.

See also the section entitled “Description of Debt Securities — Form, Transfer, and Exchange” above for additional discussion of book entry and certificated form of ownership as such forms of ownership impact the rights and obligations of purchasers of debt securities to be issued under this prospectus.

**Book-Entry Holders**

We may issue securities in book-entry form only, as we will specify in the applicable prospectus supplement. This means securities may be represented by one or more global securities registered in the name of a financial institution that holds them as depositary on behalf of other financial institutions that participate in the depositary’s book-entry system. These participating institutions, which are referred to as participants, in turn, hold beneficial interests in the securities on behalf of themselves or their customers. Upon the issuance of a global security, the depositary will credit, on its book-entry registration and transfer system, the participants’ accounts with the respective principal amounts of the book-entry securities represented by the global security beneficially owned by such participants. The accounts to be credited will be designated by any dealers, underwriters, or agents participating in the distribution of the book-entry securities. Ownership of book-entry securities will be shown on, and the transfer of the ownership interests will be effected only through, records maintained by the depositary for the related global security (with respect to interests of participants) and on the records of participants (with respect to interests of persons holding through participants). The laws of some states may require that certain purchasers of securities take physical delivery of such securities in definitive form. These laws may impair the ability to own, transfer, or pledge beneficial interests in book-entry securities.

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Only the person in whose name a security is registered is recognized as the holder of that security. Securities issued in global form will be registered in the name of the depository or its participants. Consequently, for securities issued in global form, we will recognize only the depository as the holder of the securities, and we will make all payments on the securities to the depository. The depository passes along the payments it receives to its participants, which in turn pass the payments along to their customers who are the beneficial owners. The depository and its participants do so under agreements they have made with one another or with their customers; they are not obligated to do so under the terms of the securities.

As a result, investors in a book-entry security will not own securities directly. Instead, they will own beneficial interests in a global security, through a bank, broker, or other financial institution that participates in the depository's book-entry system or holds an interest through a participant. As long as the securities are issued in global form, investors will be indirect holders, and not holders, of the securities.

### **Street Name Holders**

We may terminate a global security or issue securities in non-global form. In these cases, investors may choose to hold their securities in their own names or in "street name." Securities held by an investor in street name would be registered in the name of a bank, broker, or other financial institution that the investor chooses, and the investor would hold only a beneficial interest in those securities through an account he, she, or it maintains at that institution.

For securities held in street name, we will recognize only the intermediary banks, brokers, and other financial institutions in whose names the securities are registered as the holders of those securities, and we will make all payments on those securities to them. These institutions pass along the payments they receive to their customers who are the beneficial owners, but only because they agree to do so in their customer agreements or because they are legally required to do so. Investors who hold securities in street name will be indirect holders, not holders, of those securities.

### **Legal Holders**

Our obligations, as well as the obligations of any applicable trustee and of any third parties employed by us or a trustee, run only to the legal holders of the securities. We do not have obligations to investors who hold beneficial interests in global securities, in street name, or by any other indirect means. This will be the case whether an investor chooses to be an indirect holder of a security or has no choice because we are issuing the securities only in global form.

For example, once we make a payment or give a notice to the holder, we have no further responsibility for the payment or notice even if that holder is required, under agreements with depository participants or customers or by law, to pass it along to the indirect holders but does not do so. Whether and how the holders contact the indirect holders is up to the holders.

### **Special Considerations For Indirect Holders**

If you hold securities through a bank, broker, or other financial institution, either in book-entry form or in street name, you should check with your own institution to determine the following:

- how it handles securities payments and notices;
- whether it imposes fees or charges;
- how it would handle a request for the holders' consent, if ever required;
- whether and how you can instruct it to send you securities registered in your own name so you can be a holder, if that is permitted in the future;

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- how it would exercise rights under the securities if there were a default or other event triggering the need for holders to act to protect their interests; and
- if the securities are in book-entry form, how the depository's rules and procedures will affect these matters.

### **Global Securities**

A global security is a security that represents one or any other number of individual securities held by a depository. Generally, all securities represented by the same global securities will have the same terms. Each security issued in book-entry form will be represented by a global security that we deposit with and register in the name of a financial institution or its nominee that we select. The financial institution that we select for this purpose is called the depository. Unless we specify otherwise in the applicable prospectus supplement, The Depository Trust Company, New York, New York, known as DTC, will be the depository for all securities issued in book-entry form.

A global security may not be transferred to or registered in the name of anyone other than the depository, its nominee, or a successor depository, unless special termination situations arise. We describe those situations below under "Special Situations When a Global Security Will Be Terminated." As a result of these arrangements, the depository, or its nominee, will be the sole registered owner and holder of all securities represented by a global security, and investors will be permitted to own only beneficial interests in a global security. Beneficial interests must be held by means of an account with a broker, bank, or other financial institution that in turn has an account with the depository or with another institution that does. Thus, an investor whose security is represented by a global security will not be a holder of the security, but only an indirect holder of a beneficial interest in the global security.

If the prospectus supplement for a particular security indicates that the security will be issued in global form only, then the security will be represented by a global security at all times unless and until the global security is terminated. If termination occurs, we may issue the securities through another book-entry clearing system or decide that the securities may no longer be held through any book-entry clearing system.

We may at any time and in our sole discretion determine not to have any of the book-entry securities of any series represented by one or more global securities and, in that event, we will issue certificated securities in exchange for the global securities of that series.

### **Special Considerations For Global Securities**

The rights of an indirect holder 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 an indirect holder as a holder of securities and instead deal only with the depository that holds the global security.

If securities are issued only in the form of a global security, an investor should be aware of the following:

- an investor cannot cause the securities to be registered in his, her, or its name, and cannot obtain non-global certificates for his, her, or its interest in the securities, except in the special situations we describe below;
- an investor will be an indirect holder and must look to his, her, or its own bank or broker for payments on the securities and protection of his, her, or its legal rights relating to the securities, as we describe above;
- an investor may not be able to sell interests in the securities to some insurance companies and to other institutions that are required by law to own their securities in non-book-entry form;

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- an investor may not be able to pledge his, her, or its interest in a global security in circumstances where certificates representing the securities must be delivered to the lender or other beneficiary of the pledge in order for the pledge to be effective;
- the depositary's policies, which may change from time to time, will govern payments, transfers, exchanges, and other matters relating to an investor's interest in a global security;
- we and any applicable trustee have no responsibility for any aspect of the depositary's actions or for its records of ownership interests in a global security, nor do we or any applicable trustee supervise the depositary in any way;
- the depositary may, and we understand that DTC will, require that those who purchase and sell interests in a global security within its book-entry system use immediately available funds, and your broker or bank may require you to do so as well; and
- financial institutions that participate in the depositary's book-entry system, and through which an investor holds its interest in a global security, may also have their own policies affecting payments, notices, and other matters relating to the securities.

There may be more than one financial intermediary in the chain of ownership for an investor. We do not monitor and are not responsible for the actions of any of those intermediaries.

### **Special Situations When a Global Security Will Be Terminated**

In a few special situations described below, the global security will terminate and interests in it will be exchanged for physical certificates representing those interests. After that exchange, the choice of whether to hold securities directly or in street name will be up to the investor. Investors must consult their own banks or brokers to find out how to have their interests in securities transferred to their own name, so that they will be direct holders. We have described the rights of holders and street name investors above.

Unless we provide otherwise in the applicable prospectus supplement, the global security will terminate when the following special situations occur:

- if the depositary notifies us that it is unwilling, unable, or no longer qualified under the Exchange Act to continue as depositary for that global security and we do not appoint another institution to act as depositary within 90 days;
- if we notify any applicable trustee that we wish to terminate that global security; or
- if an event of default has occurred with regard to securities represented by that global security and has not been cured or waived.

The prospectus supplement may also list additional situations for terminating a global security that would apply only to the particular types and series of securities covered by the applicable prospectus supplement. When a global security terminates, the depositary, and not we or any applicable trustee, is responsible for deciding the names of the institutions that will be the initial direct holders.

## **PLAN OF DISTRIBUTION**

We and/or any selling stockholder may sell the securities described in this prospectus from time to time in one or more of the following ways:

- to or through underwriters or dealers;
- directly to one or more purchasers;

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- through agents; or
- through a combination of any of those methods of sale.

The prospectus supplement with respect to the offered securities will describe the terms of the offering, including the following:

- the name or names of any underwriters or agents;
- any public offering price;
- the proceeds from such sale;
- any underwriting discounts or agency fees and other items constituting underwriters' or agents' compensation;
- any over-allotment options under which underwriters may purchase additional securities from us and/or any selling stockholder;
- any discounts or concessions allowed or reallocated or paid to dealers; and
- any securities exchanges on which the securities may be listed.

We and/or any selling stockholder may distribute the securities from time to time in one or more of the following ways:

- at a fixed public offering price or prices, which may be changed;
- at prices relating to prevailing market prices at the time of sale;
- at varying prices determined at the time of sale; or
- at negotiated prices.

Unless otherwise indicated in the applicable prospectus supplement, if we and/or any selling stockholder use underwriters for a sale of securities, the underwriters will acquire the securities for their own account. The underwriters may resell the securities in one or more transactions, including negotiated transactions, at a fixed public offering price, or at varying prices determined at the time of sale. The obligations of the underwriters to purchase the securities will be subject to the conditions set forth in the applicable underwriting agreement. Unless otherwise indicated in a prospectus supplement, the underwriters will be obligated to purchase all the securities of the series offered if they purchase any of the securities of that series. We and/or any selling stockholder may change from time to time any initial public offering price and any discounts or concessions the underwriters allow or reallocate or pay to dealers. We and/or any selling stockholder may use underwriters with whom we or they have a material relationship. We will describe in the prospectus supplement naming the underwriter the nature of any such relationship. We and/or any selling stockholder may designate agents who agree to use their reasonable efforts to solicit purchases for the period of their appointment or to sell securities on a continuing basis. We and/or any selling stockholder may also sell securities directly to one or more purchasers without using underwriters or agents.

Underwriters, dealers, or agents may receive compensation in the form of discounts, concessions, or commissions from us and/or any selling stockholder or from purchasers of the securities as their agents in connection with the sale of the securities. These underwriters, dealers, or agents may be considered to be underwriters under the Securities Act. As a result, discounts, commissions, or profits on resale received by underwriters, dealers, or agents may be treated as underwriting discounts and commissions. Each prospectus supplement will identify any underwriter, dealer, or agent and describe any compensation received by them from us and/or any selling stockholder. Any initial public offering price and any discounts or concessions allowed or reallocated or paid to dealers may be changed from time to time.

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Unless otherwise specified in the applicable prospectus supplement, each class or series of securities will be a new issue with no established trading market, other than our common stock, which is listed on the Nasdaq Global Select Market. We may elect to apply for listing of our common stock on another securities exchange or to list any other class or series of securities on any exchange, but we are not obligated to do so. It is possible that one or more underwriters may make a market in a class or series of securities, but the underwriters will not be obligated to do so and may discontinue any market making at any time without notice. We cannot give any assurance as to the liquidity of the trading market for any of the securities.

In connection with any offering, the underwriters may engage in stabilizing transactions, over-allotment transactions, syndicate covering transactions, and penalty bids in accordance with Regulation M under the Exchange Act.

- Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum.
- Over-allotment involves sales by the underwriters of shares of our common stock in excess of the number of shares the underwriters are obligated to purchase, which creates a syndicate short position. The short position may be either a covered short position or a naked short position. In a covered short position, the number of shares of our common stock over-allotted by the underwriters is not greater than the number of shares that they may purchase in the over-allotment option. In a naked short position, the number of shares of our common stock involved is greater than the number of shares in the over-allotment option. The underwriters may close out any covered short position by either exercising their over-allotment option or purchasing shares of our common stock in the open market.
- Syndicate covering transactions involve purchases of our common stock in the open market after the distribution has been completed in order to cover syndicate short positions. In determining the source of shares to close out the short position, the underwriters will consider, among other things, the price of shares of our common stock available for purchase in the open market as compared to the price at which they may purchase shares through the over-allotment option so that if there is a naked short position, the position can only be closed out by buying shares in the open market. A naked short position is more likely to be created if the underwriters are concerned that there could be downward pressure on the price of the shares of our common stock in the open market after the pricing of any offering that could adversely affect investors who purchase in that offering.
- Penalty bids permit the representatives of the underwriters to reclaim a selling concession from a syndicate member when the common stock originally sold by the syndicate member is purchased in a stabilizing or syndicate covering transaction to cover syndicate short positions.

These stabilizing transactions, over-allotments, syndicate covering transactions, and penalty bids may have the effect of raising or maintaining the market price of our common stock or preventing or retarding a decline in the market price of our common stock. As a result, the price of our common stock may be higher than the price that might otherwise exist in the open market. These transactions may be effected on the Nasdaq Global Select Market or otherwise and, if commenced, may be discontinued at any time.

We and/or any selling stockholder may engage in at the market offerings into an existing trading market in accordance with Rule 415(a)(4) under the Securities Act. In addition, we and/or any selling stockholder may enter into derivative transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement so indicates, in connection with those derivatives, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions. If so, the third party may use securities pledged by us and/or any selling stockholder or borrowed from us and/or any selling stockholder or others to settle those sales or to close out any related open borrowings of stock, and may use securities received from us in settlement of those derivatives to close out any related open borrowings of stock. The third party in such sale transactions will be an underwriter and, if not identified in this prospectus, will be named in the applicable prospectus supplement.

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In addition, we and/or any selling stockholder may otherwise loan or pledge securities to a financial institution or other third party that in turn may sell the securities short using this prospectus and an applicable prospectus supplement. Such financial institution or other third party may transfer its economic short position to investors in our securities or in connection with a concurrent offering of other securities.

The specific terms of any lock-up provisions in respect of any given offering will be described in the applicable prospectus supplement.

Underwriters, dealers, and agents may be entitled under agreements entered into with us to indemnification against certain civil liabilities, including liabilities under the Securities Act, or to contribution with respect to payments they may be required to make in respect of these liabilities thereof. Underwriters, dealers, and agents and their affiliates may be customers of, may engage in transactions with, or perform services for us in the ordinary course of business for which they receive compensation.

#### **LEGAL MATTERS**

The validity of the securities offered hereby will be passed upon by Greenberg Traurig, LLP.

#### **EXPERTS**

The consolidated financial statements of OPKO Health, Inc. and subsidiaries as of December 31, 2017 and 2016, and for each of the three years in the period ended December 31, 2017, and the effectiveness of internal control over financial reporting as of December 31, 2017, included in the OPKO Health, Inc. Current Report on Form 8-K dated January 28, 2019, have been audited by Ernst & Young LLP, independent registered certified public accounting firm, as set forth in their reports thereon (which contain an explanatory paragraph describing the adoption of Accounting Standards Update No. 2014-09, *Revenue from Contracts with Customers (Topic 606)*, as described in Note 1 to the consolidated financial statements), and are incorporated herein by reference. Such consolidated financial statements are incorporated by reference herein in reliance upon such reports given on the authority of such firm as experts in accounting and auditing.

#### **WHERE YOU CAN FIND MORE INFORMATION**

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Through our website at [www.opko.com](http://www.opko.com), you may access, free of charge, our filings, as soon as reasonably practical after we electronically file them with or furnish them to the SEC. The information contained in our website is not incorporated by reference in, and should not be considered a part of, this prospectus or any accompanying prospectus supplement. Our SEC filings are also available to the public at the SEC's website at [www.sec.gov](http://www.sec.gov).

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC to register the securities to be offered hereby. This prospectus does not contain all of the information included in the registration statement, including certain exhibits and schedules. You may obtain the registration statement and exhibits to the registration statement from the SEC at the address listed above or from the SEC's website listed above.

#### **INCORPORATION OF CERTAIN INFORMATION BY REFERENCE**

The SEC allows us to incorporate by reference 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 that we incorporate by reference is considered to be part of this prospectus. Information that we file with the SEC in the future and incorporate by reference in this prospectus automatically updates and supersedes previously filed information as applicable.

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We incorporate by reference into this prospectus the following documents filed by us with the SEC, other than any portion of any such documents that is not deemed “filed” under the Exchange Act in accordance with the Exchange Act and applicable SEC rules:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2017, filed with the SEC on March 1, 2018;
- our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2018, June 30, 2018 and September 30, 2018, filed with the SEC on May 8, 2018, August 7, 2018 and November 9, 2018;
- our Definitive Proxy Statement on Schedule 14A, filed with the SEC on April 30, 2018; and
- our Current Reports on Form 8-K filed with the SEC on March 1, 2018, April 4, 2018, April 9, 2018, April 27, 2018, June 22, 2018, September 10, 2018, September 11, 2018, September 14, 2018, November 9, 2018, December 27, 2018, January 8, 2019 and January 28, 2019.

In addition, all documents subsequently filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (not including any information furnished under Item 2.02, 7.01 or 9.01 of Form 8-K and any other information that is identified as “furnished” rather than filed, which information is not incorporated by reference herein), including those filings made after the date of the initial filing of the registration statement of which this prospectus forms a part, prior to the termination of the offering, will be deemed to be incorporated herein by reference and to be a part of this prospectus from the date of filing of such documents. Any statement contained in a document incorporated herein by reference will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein, or in a subsequently filed document incorporated herein by reference, modifies or supersedes the statement. Any statement modified or superseded will not be deemed, except as modified or superseded, to constitute a part of this prospectus.

We will provide without charge to each person, including any beneficial owner, to whom a prospectus is delivered, upon written or oral request of that person, a copy of any and all of the information that has been incorporated by reference in this prospectus but not delivered with this prospectus (excluding exhibits unless specifically incorporated by reference into those documents). Please direct requests to us at the following address:

OPKO Health, Inc.  
4400 Biscayne Blvd.  
Miami, Florida 33137  
Attention: Secretary  
Telephone: (305) 575-4100

**PART II**

**INFORMATION NOT REQUIRED IN PROSPECTUS**

**Item 14. Other Expenses of Issuance and Distribution.**

The following table sets forth the costs and expenses payable by the registrant in connection with the offerings described in this registration statement. In addition to the costs and expenses set forth below, the registrant will pay any selling commissions and brokerage fees and any applicable taxes, fees and disbursements with respect to securities registered hereby sold by the registrant. All of the amounts shown are estimates:

SEC Registration Fee	\$	*
Accountants' Fees and Expenses		**
Legal Fees and Expenses		**
Printing and Engraving Expenses		**
Transfer Agent Fees		**
Trust Fees and Expenses		**
Miscellaneous Fees		**
<b>Total</b>	<b>\$</b>	<b>**</b>

\* Applicable SEC registration fees have been deferred in accordance with Rules 456(b) and 457(r) of the Securities Act of 1933, as amended, and are not estimable at this time.

\*\* These fees and expenses depend on the securities offered and the number of issuances and accordingly cannot be estimated at this time.

**Item 15 Indemnification of Directors and Officers.**

The following is a summary of the statutes, certificate of incorporation, and bylaw provisions or other arrangements under which the registrant's directors and officers are insured or indemnified against liability in their capacities as such. All the directors and officers of the registrants are covered by insurance policies maintained and held in effect by OPKO against certain liabilities for actions taken in their capacities as such, including liabilities under the Securities Act.

**Section 145 of Delaware General Corporation Law.**

OPKO is incorporated under the laws of the State of Delaware. Section 145 of the General Corporation Law of the State of Delaware, or 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 the person 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 the person acted in good faith and in a manner the person 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 the person's conduct was unlawful.

Section 145 further 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 or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that such person 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

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attorneys' fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action or suit if the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the best interests of the corporation. However, no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery of the State of Delaware or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery of the State of Delaware or such other court shall deem proper.

Section 145 further provides that to the extent that a present or former director or officer of a corporation has been successful on the merits or otherwise in defense of any action, suit, or proceeding referred to above, or in defense of any claim, issue, or matter therein, such person shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred by such person in connection therewith; provided that indemnification provided for by Section 145 or granted pursuant thereto shall not be deemed exclusive of any other rights to which the indemnified party may be entitled.

Section 145 also provides that a Delaware corporation shall have the power to purchase and maintain insurance on behalf of any person who 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 any liability asserted against such person and incurred by such person in any such capacity or arising out of such person's status as such whether or not the corporation would have the power to indemnify such person against such liabilities under Section 145.

### ***Certificate of Incorporation Provisions on Exculpation and Indemnification.***

As permitted by Section 102(b)(7) of the DGCL, our Amended and Restated Certificate of Incorporation provides that a director of the Company shall not be personally liable to either the Company or any of its stockholders for monetary damages for a breach of fiduciary duty as a director except for: (i) breaches of the duty of loyalty to the corporation or its stockholders; (ii) acts or omissions not in good faith or involving intentional misconduct or knowing violation of the law; (iii) as required by Section 174 of the DGCL; or (iv) a transaction resulting in an improper personal benefit.

Our Amended and Restated Certificate of Incorporation provides that we will indemnify, in the manner and to the fullest extent permitted by the DGCL, any person (or the estate of any person) who is or was a party to, or is threatened to be made a party to, any threatened, pending or completed action, suit or proceeding, whether or not by or in the right of the Company, and whether civil, criminal, administrative, investigative or otherwise, by reason of the fact that such person is or was a director or officer of the Company, or is or was serving at our request as a director or officer of another corporation, partnership, joint venture, trust or other enterprise.

Our Amended and Restated Certificate of Incorporation further provides that we may indemnify, in the manner and to the fullest extent permitted by the DGCL, any person (or the estate of any person) who is or was a party to, or is threatened to be made a party to, any threatened, pending or completed action, suit or proceeding, whether or not by or in the right of the Company and whether civil, criminal, administrative, investigative or otherwise, by reason of the fact that such person is or was an employee or agent of the Company, or is or was serving at our request as an employee or agent of another corporation, partnership, joint venture, trust or other enterprise.

Our Amended and Restated Certificate of Incorporation further provides that expenses incurred by any director, officer, employee or agent in defending any action, suit or proceeding may be advanced by us prior to the final disposition of such action, suit or proceeding upon receipt of an undertaking by or on behalf of such director, officer, employee or agent to repay such amount if it shall ultimately be determined that he or she is not entitled to be indemnified as authorized by the DGCL and our Amended and Restated Certificate of Incorporation.

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***Bylaws Provisions on Indemnification.***

Our Amended and Restated Bylaws provide generally that the Company shall indemnify its directors, officers, employees, and agents who are or were a party, or threatened to be made a party, to any threatened, pending, or contemplated 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 such person is or was the director, officer, employee, or agent of the corporation, or is or was serving in such a position at its request of any other 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 or her in connection with such action, suit or proceeding if he or she acted in good faith and in a manner he or she 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 or her conduct was unlawful.

Our Amended and Restated Bylaws further provide that the Company shall indemnify any person who was or is a party, or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the Company to procure a judgment in its favor by reason of the fact that he or she is or was a director, officer, employee or agent of the Company, or is or was serving at the request of the Company as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses (including attorneys' fees) actually and reasonably incurred by him or her in connection with the defense or settlement of such action or suit if he or she acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the Company and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the Company unless and only to the extent that the Court of Chancery of the State of Delaware or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery of the State of Delaware or such other court shall deem proper.

Our Amended and Restated Bylaws further provide that expenses (including attorneys' fees) incurred by an officer or director in defending a civil, criminal, administrative or investigative action, suit or proceeding may be paid by the Company in advance of the final disposition of such action, suit or proceeding upon receipt of an undertaking by or on behalf of such director or officer to repay such amount if it shall ultimately be determined that he or she is not entitled to be indemnified by the Company as authorized in our Amended and Restated Bylaws. Such expenses (including attorneys' fees) incurred by other employees and agents may be so paid upon such terms and conditions, if any, as our board of directors deems appropriate.

***Other Provisions on Indemnification.***

The Company is also a party to indemnification agreements with each of the Company's directors and certain officers of Company. The indemnification agreements require the Company, among other things, to (i) maintain directors' and officers' liability insurance for each indemnitee, and (ii) indemnify each indemnitee to the fullest extent permitted by law for certain expenses incurred in a proceeding arising out of indemnitee's service to the Company or its subsidiaries. The indemnification agreements also provide for the advancement of such expenses to the indemnitee by the Company.

The above discussion of the Amended and Restated Certificate of incorporation and Amended and Restated Bylaws of the registrant and the indemnification agreements is not intended to be exhaustive and is qualified in its entirety by such certificate of incorporation, bylaws, and indemnification agreements.

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### Item 16 Exhibits

<u>Exhibit No.</u>	<u>Description</u>	
1.1	Form of Underwriting Agreement**	
2.1	<a href="#"><u>Merger Agreement and Plan of Reorganization, dated as of March 27, 2007, by and among Acuity Pharmaceuticals, Inc., Froptix Corporation, eXegenics Inc., e-Acquisition Company I-A, LLC, and e-Acquisition Company II-B, LLC.</u></a>	(1)
2.2	<a href="#"><u>Securities Purchase Agreement, dated May 2, 2008, by and among Vidus Ocular, Inc., OPKO Instrumentation, LLC, OPKO Health, Inc., and the individual sellers and noteholders named therein.</u></a>	(2)+
2.3	<a href="#"><u>Purchase Agreement, dated February 17, 2010, by and among Ignacio Levy García and José de Jesús Levy García, Inmobiliaria Chapalita, S.A. de C.V., Pharmacos Exakta, S.A. de C.V., OPKO Health, Inc., OPKO Health Mexicana S. de R.L. de C.V., and OPKO Manufacturing Facilities S. de R.L. de C.V.</u></a>	(3)
2.4	<a href="#"><u>Agreement and Plan of Merger, dated January 28, 2011, by and among CURNA, Inc., KUR, LLC, OPKO Pharmaceuticals, LLC, OPKO CURNA, LLC, and certain individuals named therein.</u></a>	(4)+
2.5	<a href="#"><u>Agreement and Plan of Merger, dated October 13, 2011, by and among OPKO Health, Inc., Claros Merger Subsidiary, LLC, Claros Diagnostics, Inc., and Ellen Baron, Marc Goldberg and Michael Magliochetti on behalf of the Shareholder Representative Committee.</u></a>	(5)
2.6	<a href="#"><u>Stock Purchase Agreement, dated December 20, 2011, by and among FineTech Pharmaceutical Ltd., Arie Gutman, OPKO Holdings Israel Ltd, and OPKO Health, Inc.</u></a>	(6)+
2.7	<a href="#"><u>Purchase Agreement, dated January 20, 2012, by and among OPKO Health, Inc., OPKO Chile S.A., Samuel Alexandre Arama, Inversiones SVJV Limitada, Bruno Sergiani, Inversiones BS Limitada, Pierre-Yves LeGoff, and Inversiones PYTT Limitada.</u></a>	(7)
2.8	<a href="#"><u>Stock Purchase Agreement, dated August 2, 2012, by and among Farmadiet Group Holding, S.L., the Sellers party thereto, OPKO Health, Inc., and Shebeli XXI, S.L.U.</u></a>	(8)+
2.9	<a href="#"><u>Agreement and Plan of Merger, dated October 18, 2012, by and among Prost-Data, Inc. d/b/a OurLab, Our Labs, Endo Labs and Gold Lab, Jonathan Oppenheimer, M.D., OPKO Health, Inc., OPKO Laboratories Inc., and OPKO Labs, LLC.</u></a>	(9)+
2.10	<a href="#"><u>Share Purchase Agreement, dated January 8, 2013, by among Cytochroma Inc., Cytochroma Holdings ULC, Cytochroma Canada Inc., Cytochroma Development Inc., Proventiv Therapeutics, LLC, Cytochroma Cayman Islands, Ltd., OPKO Health, Inc., and OPKO IP Holdings, Inc.</u></a>	(10)+
2.11	<a href="#"><u>Asset Purchase Agreement, dated March 1, 2013, by and between RXi Pharmaceuticals Corporation and OPKO Health, Inc.</u></a>	(11)+
2.12	<a href="#"><u>Agreement and Plan of Merger, dated April 23, 2013, by and among OPKO Health, Inc., POM Acquisition Inc., and PROLOR Biotech, Inc.</u></a>	(12)
2.13	<a href="#"><u>Agreement for the Sale and Purchase of Shares in EirGen Pharma Limited, dated May 5, 2015 by and among OPKO Ireland Limited, OPKO Health, Inc. and the Sellers named therein.</u></a>	(13)+
2.14	<a href="#"><u>Form of Additional Agreement for the Sale and Purchase of Shares in EirGen Pharma Limited, dated May 5, 2015 by and among OPKO Ireland Limited and the Sellers named therein.</u></a>	(14)+
2.15	<a href="#"><u>Agreement and Plan of Merger by and among OPKO Health, Inc., Bamboo Acquisition, Inc. and Bio-Reference Laboratories, Inc. dated as of June 3, 2015.</u></a>	(15)+

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2.16	<a href="#">Arrangement Agreement by and among OPKO Health, Inc., OPKO Global Holdings, Inc. and Transition Therapeutics Inc. dated as of June 29, 2016.</a>	(16)
3.1	<a href="#">Amended and Restated Certificate of Incorporation, as amended.</a>	(17)
3.2	<a href="#">Amended and Restated Bylaws.</a>	(18)
3.3	<a href="#">Certificate of Designation of Series D Preferred Stock.</a>	(19)
4.1	Specimen Certificate of Preferred Stock**	
4.2	Form of Warrant Agreement and Certificate**	
4.3	Form of Debt Security**	
4.4	<a href="#">Form of Indenture *</a>	
4.5	Form of Depository Receipt for Depository Shares**	
4.6	Form of Deposit Agreement for Depository Shares**	
4.7	Form of Purchase Contract**	
4.8	Form of Unit Agreement and Unit Certificate**	
5.1	<a href="#">Opinion of Greenberg Traurig, LLP*</a>	
23.1	Consent of Greenberg Traurig, LLP (contained in <a href="#">Exhibit 5.1</a> )*	
23.2	<a href="#">Consent of Ernst &amp; Young LLP*</a>	
24.1	<a href="#">Power of Attorney of Directors and Executive Officers (included on the signature page of the Registration Statement)</a>	
25.1	<a href="#">Statement of Eligibility on Form T-1 under the Trust Indenture Act of 1939 of the Trustee under the Indenture*</a>	

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\* Filed herewith

\*\* To be filed by amendment to this registration statement or by a report filed under the Securities Exchange Act of 1934, as amended, and incorporated herein by reference.

+ Certain confidential material contained in the document has been omitted and filed separately with the Securities and Exchange Commission.

- (1) Filed as Exhibit 2.1 to the Registrant's Current Report on Form 8-K (File No. 000-26648) filed with the Securities and Exchange Commission on April 2, 2007, and incorporated herein by reference.
- (2) Filed as Exhibit 2.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on August 8, 2008 for the Registrant's three-month period ended June 30, 2008, and incorporated herein by reference.
- (3) Filed as Exhibit 2.3 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on May 10, 2010 for the Registrant's three-month period ended March 31, 2010, and incorporated herein by reference.
- (4) Filed as Exhibit 2.4 to the Registrant's Quarterly Report on Form 10-Q/A (File No. 001-33528) filed with the Securities and Exchange Commission on July 5, 2011, and incorporated herein by reference.
- (5) Filed as Exhibit 2.5 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on November 9, 2011 for the Registrant's three-month period ended September 30, 2011, and incorporated herein by reference.
- (6) Filed as Exhibit 2.6 to the Registrant's Annual Report on Form 10-K (File No. 001-33528) filed with the Securities and Exchange Commission on March 15, 2012.
- (7) Filed as Exhibit 2.7 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on May 10, 2012 for the Registrant's three-month period ended March 31, 2012, and incorporated herein by reference.

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- (8) Filed as Exhibit 2.8 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on November 9, 2012 for the Registrant's three-month period ended September 30, 2012, and incorporated herein by reference.
- (9) Filed as Exhibit 2.9 to the Registrant's Annual Report on Form 10-K (File No. 001-33528) filed with the Securities and Exchange Commission on March 18, 2013.
- (10) Filed as Exhibit 2.10 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on May 10, 2013 for the Registrant's three-month period ended March 31, 2013, and incorporated herein by reference.
- (11) Filed as Exhibit 99.1 to the Registrant's Schedule 13D (File No. 005-86901) filed with the Securities and Exchange Commission on March 22, 2013, and incorporated herein by reference.
- (12) Filed as Annex A to the Registrant's Preliminary Joint Proxy Statement/Prospectus, Form S-4 (File No. 333-189640), with the Securities Exchange Commission on June 27, 2013, as amended, and incorporated herein by reference.
- (13) Filed as Exhibit 2.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on August 5, 2015 for the Registrant's three-month period ended June 30, 2015, and incorporated herein by reference.
- (14) Filed as Exhibit 2.2 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on August 5, 2015 for the Registrant's three-month period ended June 30, 2015, and incorporated herein by reference.
- (15) Filed as Exhibit 2.1 to the Registrant's Current Report on Form 8-K (File No. 001-33528) filed with the Securities and Exchange Commission on June 4, 2015, and incorporated herein by reference.
- (16) Filed as Exhibit 2.1 to the Registrant's Current Report on Form 8-K (File No. 001-33528) filed with the Securities and Exchange Commission on June 30, 2016 and incorporated herein by reference.
- (17) Filed as Exhibit 3.1 to the Registrant's Quarterly Report on Form 10-Q (File No. 001-33528) filed with the Securities and Exchange Commission on November 12, 2013 for the Registrant's three-month period ended September 30, 2013, and incorporated herein by reference.
- (18) Filed as Exhibit 2.1 to the Registrant's Annual Report on Form 10-K (File No. 001-33528) filed with the Securities and Exchange Commission on March 31, 2008 and incorporated herein by reference.
- (19) Filed as Exhibit 3.1 to the Registrant's Current Report on Form 8-K (File No. 000-26648) filed with the Securities and Exchange Commission on September 24, 2009, and incorporated herein by reference.

### **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 of 1933;

(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;

(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;

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*provided, however,* that paragraphs (a)(1)(i), (a)(1)(ii), and (a)(1)(iii) of this section do not apply if the 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.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, 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 of 1933 to any purchaser:

(A) 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

(B) 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 of 1933 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 of 1933 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.

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(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement 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.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 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 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 ("Act") in accordance with the rules and regulations prescribed by the Commission under section 305(b)(2) of the Act.

**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 Miami, State of Florida, on the 28<sup>th</sup> day of January, 2019.

OPKO HEALTH, INC.

By: /s/ Phillip Frost, M.D.

Phillip Frost, M.D.

Chairman of the Board and Chief Executive Officer

**POWER OF ATTORNEY**

**KNOW ALL PERSONS BY THESE PRESENTS**, that each person whose signature appears below hereby constitutes and appoints Steven D. Rubin and Adam Logal, and each one of them acting alone, as his true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him and in his name, place, and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them acting alone, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or his or their substitute or substitutes, may lawfully 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 by the following persons in the capacities and on the dates indicated.

<b>Signature</b>	<b>Capacity</b>	<b>Date</b>
<u>/s/ Phillip Frost, M.D.</u> Phillip Frost, M.D.	Chairman of the Board and Chief Executive Officer (Principal Executive Officer)	January 28, 2019
<u>/s/ Jane H. Hsiao, Ph.D., MBA</u> Jane H. Hsiao, Ph.D., MBA	Vice Chairman of the Board and Chief Technical Officer	January 28, 2019
<u>/s/ Steven D. Rubin</u> Steven D. Rubin	Director and Executive Vice President-Administration	January 28, 2019
<u>/s/ Adam Logal</u> Adam Logal	Senior Vice President, Chief Financial Officer, Chief Accounting Officer and Treasurer (Principal Financial Officer and Principal Accounting Officer)	January 28, 2019
<u>/s/ Robert S. Fishel, M.D.</u> Robert S. Fishel, M.D.	Director	January 28, 2019
<u>/s/ Richard M. Krasno, Ph.D.</u> Richard M. Krasno, Ph.D.	Director	January 28, 2019
<u>/s/ Richard A. Lerner, M.D.</u> Richard A. Lerner, M.D.	Director	January 28, 2019
<u>/s/ John A. Paganelli</u> John A. Paganelli	Director	January 28, 2019
<u>/s/ Richard C. Pfenniger, Jr.</u> Richard C. Pfenniger, Jr.	Director	January 28, 2019
<u>/s/ Alice Lin-Tsing Yu, M.D., Ph.D.</u> Alice Lin-Tsing Yu, M.D., Ph.D.	Director	January 28, 2019



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(a)(3)	N.A.
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(b)	7.03, 7.08; 7.10
(c)	N.A.
311(a)	7.11
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(c)	N.A.
312(a)	2.05
(b)	11.03
(c)	11.03
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(b)(1)	N.A.
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(c)	7.06; 11.02
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(c)(1)	11.04
(c)(2)	11.04
(c)(3)	N.A.
(d)	N.A.
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(f)	N.A.
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(e)	6.11
316(a)(last sentence)	2.13(f)
(a)(1)(A)	6.05
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(b)	N.A.
(c)	11.01

N.A. means not applicable

\* This Cross-Reference Table is not part of the Indenture.

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INDENTURE dated as of \_\_\_\_\_ by and among OPKO HEALTH, INC., a Delaware corporation (the “Company”), the guarantors listed on Schedule 1 hereto (herein called the “Guarantors”), and [ \_\_\_\_\_ ], as Trustee (the “Trustee”).

The Company has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of its debentures, notes, or other evidences of indebtedness to be issued in one or more series (the “Securities”), as herein provided, up to such principal amount as may from time to time be authorized in or pursuant to one or more resolutions of the Board of Directors or by supplemental indenture.

Each party agrees as follows for the benefit of the other parties and for the equal and ratable benefit of the Holders of each series of the Securities:

## ARTICLE 1

### DEFINITIONS AND INCORPORATION BY REFERENCE

#### *Section 1.01 Certain Definitions.*

“Affiliate” of any specified Person means any other Person directly or indirectly controlling or controlled by, or under direct or indirect common control with, such specified Person. For purposes of this definition, “control,” as used with respect to any Person, shall mean the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities, by agreement, or otherwise; *provided, however*, that beneficial ownership of 10% or more of the Voting Securities of a Person shall be deemed to be a controlling interest in such Person. For purposes of this definition, the terms “controlling,” “controlled by,” and “under common control with” have correlative meanings.

“Agent” means any Registrar, Paying Agent, authenticating agent, or co-Registrar.

“Board of Directors” means, with respect to any Person, the board of directors of such Person (or, if such Person is a limited liability company, the board of managers of such Person) or similar governing body or any authorized committee thereof.

“Board Resolution” means a copy of a resolution certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors or pursuant to authorization by the Board of Directors and to be in full force and effect on the date of such certification (and delivered to the Trustee, if appropriate).

“Business Day” means any day other than a Legal Holiday.

“Closing Date” means the date on which the Securities of a particular series were originally issued under this Indenture.

“Commission” means the Securities and Exchange Commission.

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“Company” means the party named as such above until a successor replaces it pursuant to this Indenture and thereafter means the successor.

“Company Order” means a written order signed in the name of the Company by two Officers, one of whom must be the Company’s principal executive officer, principal financial officer, or principal accounting officer, and delivered to the Trustee.

“Company Request” means a written request signed in the name of the Company by its Chairman of the Board of Directors or the Chief Executive Officer, the President, any Vice President, the Chief Financial Officer, Controller, Assistant Controller, Treasurer, Assistant Treasurer, Corporate Secretary or Assistant Corporate Secretary of the Company, and delivered to the Trustee.

“Corporate Trust Office” shall mean the corporate trust office of the Trustee.

“Default” means any event that is, or with the passage of time or the giving of notice or both would be, an Event of Default.

“Depository” means, with respect to the Securities of any series issuable or issued in whole or in part in the form of one or more Global Securities, the person designated as Depository for such series by the Company, which Depository shall be a clearing agency registered under the Exchange Act; and if at any time there is more than one such person, “Depository” as used with respect to the Securities of any series shall mean the Depository with respect to the Securities of such series.

“Exchange Act” means the Securities Exchange Act of 1934, as amended.

“GAAP” means generally accepted accounting principles set forth in the opinions and pronouncements of the Accounting Principles Board of the American Institute of Certified Public Accountants and statements and pronouncements of the Financial Accounting Standards Board, or in such other statements by such other entity as have been approved by a significant segment of the accounting profession, which are applicable to the circumstances as of the Closing Date.

“Global Security” shall mean a Security issued to evidence all or a part of any series of Securities that is executed by the Company and authenticated and delivered by the Trustee to a Depository or pursuant to such Depository’s instructions, all in accordance with this Indenture and pursuant to Section 2.01, which shall be registered as to principal and interest in the name of such Depository or its nominee.

“Guarantee” means a guarantee by any Guarantor of an obligation under this Indenture.

“Holder” or “Securityholder” means a Person in whose name a Security is registered in the register of Securities kept by the Registrar.

“Indenture” means this Indenture, as amended or supplemented from time to time.

“Interest” when used with respect to an Original Issue Discount Security that by its terms bears interest only after Maturity, means interest payable after Maturity.

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“Maturity” when used with respect to any Security, means the date on which the principal of such Security or an installment of principal becomes due and payable as therein or herein provided, whether at Stated Maturity or by declaration of acceleration, call for redemption, or otherwise.

“Officer” means, with respect to any Person, the Chairman of the Board of Directors, the Chief Executive Officer, the President, any Vice President, the Chief Financial Officer, Controller, Assistant Controller, Treasurer, Assistant Treasurer, Corporate Secretary or Assistant Corporate Secretary of such Person.

“Officers’ Certificate” means a certificate signed by two or more Officers, one of whom must be the principal executive officer, principal financial officer, or principal accounting officer of the Company, that meets the requirements of Section 11.05 hereof.

“Opinion of Counsel” means an opinion from legal counsel who is reasonably acceptable to the Trustee that meets the requirements of Section 11.05 hereof. The counsel may be an employee of or counsel to the Company or the Trustee.

“Original Issue Discount Security” means any Security which provides that an amount less than its principal amount is due and payable upon acceleration after an Event of Default.

“Person” means any individual, corporation, partnership, joint venture, association, limited liability company, joint stock company, trust, unincorporated organization or government, or other entity.

“principal” of a Security means the principal amount due on the Stated Maturity of the Security plus the premium, if any, on the Security.

“Securities” means the Securities authenticated and delivered under this Indenture.

“Securities Act” means the Securities Act of 1933, as amended from time to time.

“Stated Maturity” when used with respect to any Security or any installment of interest thereon, means the date specified in such Security as the fixed date on which the principal of such Security or such installment of interest is due and payable.

“Subsidiary” means, with respect to any specified Person: (i) any corporation, association, or other business entity of which more than 50% of the total voting power of shares of capital stock entitled (without regard to the occurrence of any contingency) to vote in the election of directors, managers, or trustees of the corporation, association, or other business entity is at the time owned or controlled, directly or indirectly, by that Person or one or more of the other Subsidiaries of that Person (or a combination thereof); and (ii) any partnership (a) the sole general partner or the managing general partner of which is such Person or a Subsidiary of such Person, or (b) the only general partners of which are that Person or one or more Subsidiaries of that Person (or any combination thereof).

“TIA” means the Trust Indenture Act of 1939 (15 U.S.C. §§77aaa-77bbb) as in effect on the date on which this Indenture is qualified under the TIA; *provided, however*, that in the event the TIA is amended after such date, “TIA” means, to the extent required by such amendment, the Trust Indenture Act, as amended.

“Trust Officer” when used with respect to the Trustee, means any officer with direct responsibility for the administration of this Indenture and also means, with respect to a particular corporate trust matter, any other officer to whom such matter is referred because of his knowledge of and familiarity with the particular subject.

“Trustee” means the party named as such above until a successor becomes such pursuant to this Indenture and thereafter means or includes each party who is then a trustee hereunder, and if at any time there is more than one such party, “Trustee” as used with respect to the Securities of any series means the Trustee with respect to Securities of that series. If Trustees with respect to different series of Securities are trustees under this Indenture, nothing herein shall constitute the Trustees co-trustees of the same trust, and each Trustee shall be the trustee of a trust separate and apart from any trust administered by any other Trustee with respect to a different series of Securities.

“U.S. Government Obligations” means securities that are (i) direct obligations of the United States of America for the payment of which its full faith and credit is pledged or (ii) obligations of a person controlled or supervised by and acting as an agency or instrumentality of the United States of America, the payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States of America that is not callable or redeemable at the option of the issuer thereof, and shall also include a depository receipt issued by a bank or trust company as custodian with respect to any such U.S. Government Obligation or a specific payment of interest on or principal of any such U.S. Government Obligation held by such custodian for the account of the holder of a depository receipt, provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the U.S. Government Obligation evidenced by such depository receipt.

*Section 1.02 Other Definitions.*

<u>Term</u>	<u>Defined in Section</u>
“Bankruptcy Law”	6.01
“Custodian”	6.01
“Event of Default”	6.01
“foreign government obligations”	8.01
“Legal Holiday”	11.07
“Paying Agent”	2.03
“Place of Payment”	2.01
“redemption price”	3.03
“Registrar”	2.03

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*Section 1.03 Incorporation by Reference of Trust Indenture Act.*

Whenever this Indenture refers to a provision of the TIA, the provision is incorporated by reference in and made a part of this Indenture. The following TIA terms used in this Indenture have the following meanings:

“indenture securities” means the Securities.

“indenture securityholder” means a Securityholder.

“indenture to be qualified” means this Indenture.

“indenture trustee” or “institutional trustee” means the Trustee.

“obligor” on the Securities means the Company and any Guarantor and any successor obligor on the Securities.

All other terms used in this Indenture that are defined by the TIA, defined by TIA reference to another statute, or defined by Commission rule under the TIA have the meanings so assigned to them.

*Section 1.04 Rules of Construction.*

Unless the context otherwise requires:

- (a) a term has the meaning assigned to it;
- (b) an accounting term not otherwise defined has the meaning assigned to it in accordance with GAAP;
- (c) “or” is not exclusive;
- (d) words in the singular include the plural, and in the plural include the singular;
- (e) provisions apply to successive events and transactions; and
- (f) references to sections of or rules under the Securities Act shall be deemed to include substitute, replacement of successor sections or rules adopted by the SEC from time to time.

**ARTICLE 2**

**THE SECURITIES**

*Section 2.01 Unlimited In Amount, Issuable In Series, Form, and Dating.*

The aggregate principal amount of Securities that may be authenticated and delivered under this Indenture is unlimited. The Securities may be issued in one or more series. There shall be established in or pursuant to a Board Resolution or an Officers' Certificate pursuant to authority granted under a Board Resolution or established in one or more indentures supplemental hereto, prior to the issuance of Securities of any series:

- (a) the title of the Securities of the series (which shall distinguish the Securities of the series from all other Securities);

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- (b) the series designation and whether they are senior Securities, senior subordinated Securities, or subordinated Securities;
- (c) any limit upon the aggregate principal amount of Securities of the series that may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of the series pursuant to this Article 2);
- (d) the price or prices (expressed as a percentage of the aggregate principal amount) at which the Securities will be issued and, if other than the principal amount of the Securities, the portion of the principal amount of the Securities payable upon the maturity of the debt securities;
- (e) the date or dates on which the principal of the Securities of the series is payable;
- (f) the rate or rates that may be fixed or variable at which the Securities of the series shall bear interest, if any, or the manner in which such rate or rates shall be determined, the date or dates from which such interest shall accrue, the interest payment dates on which such interest shall be payable, and the record dates for the determination of Holders to whom interest is payable;
- (g) the place or places where the principal of, premium, if any, and any interest, if any, on Securities of the series shall be payable or the method of such payment, if by wire transfer, mail, or by other means, if other than as provided herein, and where the Securities can be surrendered for transfer, exchange, or conversion;
- (h) the price or prices at which (if any), the period or periods within which (if any), and the terms and conditions upon which (if other than as provided herein) Securities of the series may be redeemed, in whole or in part, at the option, or as an obligation, of the Company;
- (i) the obligation, if any, of the Company to redeem, purchase, or repay Securities of the series, in whole or in part, pursuant to any sinking fund or analogous provisions or at the option of a Holder thereof and the price or prices at which and the period and periods within which and the terms and conditions upon which Securities of the series shall be redeemed, purchased, or repaid pursuant to such obligation;
- (j) the dates, if any, on which, and the price or prices at which, the Securities of the series will be repurchased by the Company at the option of the Holders thereof and other detailed terms and provisions of such repurchase obligations;

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- (k) if convertible, the initial conversion price, the conversion period, and any other terms governing such conversion;
  - (l) if other than denominations of \$1,000 and any multiple thereof, the denominations in which Securities of the series shall be issuable;
  - (m) if other than the principal amount thereof, the portion of the principal amount of Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 6.02 hereof;
  - (n) any addition to, change in, or deletion from the covenants set forth in Articles 4 or 5 that applies to Securities of the series;
  - (o) any addition to, changes in, or deletion from the Events of Default with respect to the Securities of a particular series and any change in the right of the Trustee or the requisite Holders of such Securities to declare the principal amount thereof due and payable pursuant to Section 6.02 hereof;
  - (p) the Trustee for the series of Securities;
  - (q) the forms of the Securities of the series in bearer or fully registered form (and, if in fully registered form, whether the Securities will be issuable, in whole or in part, as Global Securities);
  - (r) whether the Securities of the series shall be issued in whole or in part in the form of a Global Security or Securities; the terms and conditions, if any, upon which such Global Security or Securities may be exchanged in whole or in part for other individual Securities, and the Depositary for such Global Security and Securities;
  - (s) the provisions, if any, relating to any security provided for the Securities of the series;
  - (t) any other terms of the series (which terms may modify, supplement, or delete any provision of this Indenture with respect to such series; *provided, however*, that no such term may modify or delete any provision hereof if imposed by the TIA; and *provided, further*, that any modification or deletion of the rights, duties, or immunities of the Trustee hereunder shall have been consented to in writing by the Trustee);
  - (u) the terms and conditions, if any, upon which the Securities of the series shall be exchanged for or converted into other securities or property of the Company or securities of another person;
  - (v) any depositories, interest rate calculation agents, exchange rate calculation agents, or other agents with respect to Securities of such series if other than those appointed herein;

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(w) whether the Securities rank as senior subordinated Securities or subordinated Securities or any combination thereof and the terms of any such subordination;

(x) the form and terms of any guarantee of any Securities of the series;

(y) the terms and conditions of any defeasance provisions;

(z) the currency of denomination of the Securities;

(aa) the designation of the currency, currencies, or currency units in which payment of principal of, premium, and interest on the Securities will be made;

(bb) whether the Securities will be listed on any securities exchange or quotation system;

(cc) if payments of principal of, premium, or interest on the Securities will be made in one or more currencies or currency units other than that or those in which the Securities are denominated, the manner in which the exchange rate with respect to these payments will be determined;

(dd) the manner in which the amounts of payment of principal of, premium, or interest on the Securities will be determined, if these amounts may be determined by reference to an index based on a currency or currencies other than that in which the Securities are denominated or designated to be payable or by reference to a commodity, commodity index, stock exchange index, or financial index;

(ee) whether and under what circumstances, if any, additional amounts on any Securities will be paid in respect of any tax, assessment, or governmental charge and, if so, whether the Company will have the option to redeem the Securities instead of making the payment;

(ff) the terms and conditions pertaining to transfer, sale, or other assignment of the Securities; and

(gg) if the Securities are to be issued upon the exercise of debt warrants, the time, manner, and place for the Securities to be authenticated and delivered.

All Securities of any series shall be substantially identical except as to denomination and except as may otherwise be provided in or pursuant to such Board Resolution or Officers' Certificate or in any such indenture supplemental hereto.

The principal of and any interest on the Securities shall be payable at the office or agency of the Company designated in the form of Security for the series (each such place herein called the "Place of Payment"); *provided, however*, that payment of interest may be made at the option of the Company by check mailed to the address of the Person entitled thereto as such address shall appear in the register of Securities referred to in Section 2.03 hereof.

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Each Security shall be in one of the forms approved from time to time by or pursuant to a Board Resolution or Officers' Certificate, or established in one or more indentures supplemental hereto. Prior to the delivery of a Security to the Trustee for authentication in any form approved by or pursuant to a Board Resolution or Officers' Certificate, the Company shall deliver to the Trustee the Board Resolution or Officers' Certificate by or pursuant to which such form of Security has been approved, which Board Resolution or Officers' Certificate shall have attached thereto a true and correct copy of the form of Security that has been approved by or pursuant thereto.

The Securities may have notations, legends, or endorsements required by law, stock exchange rule, or usage. Each Security shall be dated the date of its authentication.

*Section 2.02 Execution and Authentication.*

One or more Officers shall sign the Securities for the Company by manual or facsimile signature.

If an Officer whose signature is on a Security no longer holds that office at the time the Security is authenticated, the Security shall nevertheless be valid.

A Security shall not be valid until authenticated by the manual signature of the Trustee. The signature shall be conclusive evidence that the Security has been authenticated under this Indenture.

The Trustee shall authenticate Securities for original issue upon receipt of a Company Order.

The Trustee may appoint an authenticating agent acceptable to the Company to authenticate Securities. An authenticating agent may authenticate Securities whenever the Trustee may do so. Each reference in this Indenture to authentication by the Trustee includes authentication by such agent. An authenticating agent has the same rights as an Agent to deal with the Company or an Affiliate of the Company.

*Section 2.03 Registrar and Paying Agent.*

The Company shall maintain an office or agency where Securities of a particular series may be presented for registration of transfer or for exchange (the "Registrar") and an office or agency where Securities of that series may be presented for payment (a "Paying Agent"). The Registrar for a particular series of Securities shall keep a register of the Securities of that series and of their registration of transfer and exchange. The Company may appoint one or more co-Registrars and one or more additional paying agents for each series of Securities. The term "Paying Agent" includes any additional paying agent. The Company may change any Paying Agent, Registrar, or co-Registrar without prior notice to any Securityholder. The Company shall notify the Trustee in writing of the name and address of any Agent not a party to this Indenture.

If the Company fails to maintain a Registrar or Paying Agent for any series of Securities, the Trustee shall act as such. The Company or any of its Affiliates may act as Paying Agent, Registrar, or co-Registrar.

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The Company hereby appoints the Trustee the initial Registrar and Paying Agent for each series of Securities unless another Registrar or Paying Agent, as the case may be, is appointed prior to the time Securities of that series are first issued.

*Section 2.04 Paying Agent to Hold Money in Trust.*

Whenever the Company has one or more Paying Agents it will, prior to each due date of the principal of, or interest on, any Securities, deposit with a Paying Agent a sum sufficient to pay the principal or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal or interest, and (unless such Paying Agent is the Trustee) the Company will promptly notify the Trustee of its action or failure so to act.

The Company shall require each Paying Agent other than the Trustee to agree in writing that such Paying Agent will hold in trust for the benefit of the Securityholders of the particular series for which it is acting, or the Trustee, all money held by the Paying Agent for the payment of principal or interest on the Securities of such series, and that such Paying Agent will notify the Trustee of any Default by the Company or any other obligor of the series of Securities in making any such payment and at any time during the continuance of any such Default, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such Paying Agent. If the Company or an Affiliate acts as Paying Agent, it shall segregate and hold in a separate trust fund for the benefit of the Securityholders of the particular series for which it is acting all money held by it as Paying Agent. The Company at any time may require a Paying Agent to pay all money held by it to the Trustee. Upon so doing, the Paying Agent (if other than the Company or an Affiliate of the Company) shall have no further liability for such money. Upon any bankruptcy or reorganization proceedings relating to the Company, the Trustee shall serve as Paying Agent for the Securities.

*Section 2.05 Securityholder Lists.*

The Trustee shall preserve in as current a form as is reasonably practicable the most recent list available to it of the names and addresses of Securityholders, separately by series, and shall otherwise comply with TIA Section 312(a). If the Trustee is not the Registrar, the Company shall furnish to the Trustee at least seven Business Days before each interest payment date and at such other times as the Trustee may request in writing, a list in such form and as of such date as the Trustee may reasonably require of the names and addresses of Securityholders, separately by series, relating to such interest payment date or request, as the case may be.

*Section 2.06 Transfer and Exchange.*

Where Securities of a series are presented to the Registrar or a co-Registrar with a request to register a transfer or to exchange them for an equal principal amount of Securities of the same series of other authorized denominations, the Registrar shall register the transfer or make the exchange if its requirements for such transactions are met. To permit registrations of transfers and exchanges, the Company shall issue and the Trustee shall authenticate Securities at the Registrar's request.

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No service charge shall be made for any registration of transfer or exchange, but the Company may require payment of a sum sufficient to cover any transfer tax or similar governmental charge payable in connection therewith (other than any such transfer tax or similar governmental charge payable upon exchanges pursuant to Sections 2.09, 2.13, 3.06 or 9.04).

The Company need not issue, and the Registrar or co-Registrar need not register the transfer or exchange of, (i) any Security of a particular series during a period beginning at the opening of business 15 days before the day of any selection of Securities of that series for redemption under Section 3.02 and ending at the close of business on the day of selection, or (ii) any Security so selected for redemption in whole or in part, except the unredeemed portion of any Security of that series being redeemed in part.

*Section 2.07 Replacement Securities.*

If a mutilated Security is surrendered to the Trustee or if the Holder of a Security claims that the Security has been lost, destroyed, or wrongfully taken, the Company shall issue and the Trustee shall authenticate a replacement Security of same series if the Company's and the Trustee's requirements are met. The Trustee or the Company may require an indemnity bond to be furnished which is sufficient in the judgment of both to protect the Company, the Trustee, and any Agent from any loss which any of them may suffer if a Security is replaced. The Company or the Trustee may charge such Holder for its expenses in replacing a Security.

Every replacement Security is an obligation of the Company and shall be entitled to all the benefit of the Indenture equally and proportionately with any and all other Securities of the same series.

*Section 2.08 Outstanding Securities.*

The Securities of any series outstanding at any time are all the Securities of that series authenticated by the Trustee except for those canceled by it, those delivered to it for cancellation, and those described in this Section as not outstanding.

If a Security is replaced pursuant to Section 2.07, it ceases to be outstanding unless the Trustee receives proof satisfactory to it that the replaced Security is held by a protected purchaser.

If Securities are considered paid under Section 4.01, they cease to be outstanding and interest on them ceases to accrue.

Except as set forth in Section 2.09 hereof, a Security does not cease to be outstanding because the Company or an Affiliate holds the Security.

For each series of Original Issue Discount Securities, the principal amount of such Securities that shall be deemed to be outstanding and used to determine whether the necessary Holders have given any request, demand, authorization, direction, notice, consent, or waiver shall be the principal amount of such Securities that could be declared to be due and payable upon acceleration upon an Event of Default as of the date of such determination. When requested by the Trustee, the Company shall advise the Trustee of such amount, showing its computations in reasonable detail.

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Section 2.09 Temporary Securities.

Until definitive Securities are ready for delivery, the Company may prepare and the Trustee shall authenticate temporary Securities upon a Company Order. Temporary Securities shall be substantially in the form of definitive Securities but may have variations that the Company considers appropriate for temporary Securities. Without unreasonable delay, the Company shall prepare and the Trustee shall authenticate definitive Securities in exchange for temporary Securities.

Holders of temporary securities shall be entitled to all of the benefits of this Indenture.

*Section 2.10 Cancellation.*

The Company at any time may deliver Securities to the Trustee for cancellation. The Registrar and Paying Agent shall forward to the Trustee any Securities surrendered to them for registration of transfer, exchange, or payment. The Trustee shall cancel all Securities surrendered for registration of transfer, exchange, payment, replacement, or cancellation and shall return such canceled Securities to the Company at the Company's written request. The Company may not issue new Securities to replace Securities that it has paid or that have been delivered to the Trustee for cancellation.

*Section 2.11 Defaulted Interest.*

If the Company fails to make a payment of interest on any series of Securities, the Company shall pay such defaulted interest plus (to the extent lawful) any interest payable on the defaulted interest, in any lawful manner. It may elect to pay such defaulted interest, plus any such interest payable on it, to the Persons who are Holders of such Securities on which the interest is due on a subsequent special record date. The Company shall notify the Trustee in writing of the amount of defaulted interest proposed to be paid on each such Security and the date of the proposed payment. The Company shall fix or cause to be fixed any such record date and payment date for such payment, provided that no such special record date shall be less than 10 days prior to the related payment date for such defaulted interest. At least 15 days before any such record date, the Company shall mail to Securityholders affected thereby a notice that states the record date, payment date, and amount of such interest to be paid.

*Section 2.12 Special Record Dates.*

(a) The Company may, but shall not be obligated to, set a record date for the purpose of determining the identity of Holders entitled to consent to any supplement, amendment, or waiver permitted by this Indenture. If a record date is fixed, the Holders of Securities of that series outstanding on such record date, and no other Holders, shall be entitled to consent to such supplement, amendment, or waiver or revoke any consent previously given, whether or not such Holders remain Holders after such record date. No consent shall be valid or effective for more than 90 days after such record date unless consents from Holders of the principal amount of Securities of that series required hereunder for such amendment or waiver to be effective shall have also been given and not revoked within such 90-day period.

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(b) The Company may, but shall not be obligated to, fix any day as a record date for the purpose of determining the Holders of any series of Securities entitled to join in the giving or making of any notice of Default, any declaration of acceleration, any request to institute proceedings, or any other similar direction. If a record date is fixed, the Holders of Securities of that series outstanding on such record date, and no other Holders, shall be entitled to join in such notice, declaration, request, or direction, whether or not such Holders remain Holders after such record date; *provided, however*, that no such action shall be effective hereunder unless taken on or prior to the date 90 days after such record date.

*Section 2.13 Global Securities.*

(a) Terms of Securities. A Board Resolution, a supplemental indenture hereto, or an Officers' Certificate shall establish whether the Securities of a series shall be issued in whole or in part in the form of one or more Global Securities and the Depositary for such Global Security or Securities.

(b) Transfer and Exchange. Notwithstanding any provisions to the contrary contained in Section 2.06 of this Indenture and in addition thereto, any Global Security shall be exchangeable pursuant to Section 2.06 of this Indenture for securities registered in the names of Holders other than the Depositary for such Security or its nominee only if (i) such Depositary notifies the Company that it is unwilling or unable to continue as Depositary for such Global Security or if at any time such Depositary ceases to be a clearing agency registered under the Exchange Act, and, in either case, the Company fails to appoint a successor Depositary within 90 days of such event; or (ii) the Company executes and delivers to the Trustee an Officers' Certificate to the effect that such Global Security shall be so exchangeable. Any Global Security that is exchangeable pursuant to the preceding sentence shall be exchangeable for Securities registered in such names as the Depositary shall direct in writing in an aggregate principal amount equal to the principal amount of the Global Security with like tenor and terms.

Except as provided in this paragraph (b) of this Section, a Global Security may not be transferred except as a whole by the Depositary with respect to such Global Security to a nominee of such Depositary, by a nominee of such Depositary to such Depositary or another nominee of such Depositary, or by the Depositary or any such nominee to a successor Depositary or a nominee of such a successor Depositary.

(c) Legend. Any Global Security issued hereunder shall bear a legend in substantially the following form:

"Unless this certificate is presented by an authorized representative of The Depository Trust Company, a New York corporation ("DTC"), New York, New York, to the issuer or its agent for registration of transfer, exchange, or payment and any certificate issued is registered in the name of Cede & Co. or such other name as may be requested by an authorized representative of DTC (and any payment is made to Cede & Co. or such other entity

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as may be requested by an authorized representative of DTC), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL inasmuch as the registered owner hereof, Cede & Co. has an interest herein.

Transfer of this Global Security shall be limited to transfers in whole, but not in part, to nominees of DTC or to a successor thereof or such successor's nominee and limited to transfers made in accordance with the restrictions set forth in the Indenture referred to herein."

(d) Acts of Holders. The Depository, as a Holder, may appoint agents and otherwise authorize participants to give or take any request, demand, authorization, direction, notice, consent, waiver, or other action which a Holder is entitled to give or take under this Indenture.

(e) Payments. Notwithstanding the other provisions of this Indenture, unless otherwise specified as contemplated by Section 2.01 hereof, payment of the principal of and interest, if any, on any Global Security shall be made to the Person specified therein.

(f) Consents, Declaration, and Directions. Except as provided in paragraph (e) of this Section, the Company, the Trustee, and any Agent shall treat a Person as the Holder of such principal amount of outstanding Securities of such series represented by a Global Security as shall be specified in a written statement of the Depository with respect to such Global Security, for purposes of obtaining any consents, declarations, or directions required to be given by the Holders pursuant to this Indenture.

*Section 2.14 CUSIP Numbers.*

The Company in issuing any series of Securities may use "CUSIP" numbers (if then generally in use), and, if so, the Trustee shall use "CUSIP" numbers in notices as a convenience to Holders; provided that any such notice may state that no representation is made as to the correctness of such numbers either as printed on such Securities or as contained in any notice and that reliance may be placed only on the other identification numbers printed on such Securities, and any such action relating to such notice shall not be affected by any defect in or omission of such numbers in such notice. The Company shall promptly notify the Trustee of any change in the "CUSIP" numbers.

### **ARTICLE 3**

#### **REDEMPTION**

*Section 3.01 Notices to Trustee.*

If the Company elects to redeem Securities of any series pursuant to any optional redemption provisions thereof, it shall furnish to the Trustee at least 30 days, but not more than 60 days before a redemption date, an Officer's Certificate which shall specify (i) the provisions of such Security or this Indenture pursuant to which the redemption shall occur, (ii) the redemption date, (iii) the principal amount of Securities of that series to be redeemed, and (iv) the redemption price.

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If the Company elects to reduce the principal amount of Securities of any series to be redeemed pursuant to mandatory redemption provisions thereof, it shall notify the Trustee of the amount of, and the basis for, any such reduction. If the Company elects to credit against any such mandatory redemption Securities it has not previously delivered to the Trustee for cancellation, it shall deliver such Securities with such notice.

*Section 3.02 Selection of Securities to Be Redeemed.*

If less than all the Securities of any series are to be redeemed, or purchased in an offer to purchase at any time, the Trustee shall select the Securities of that series to be redeemed or purchased as follows: (1) if the Securities of such series are listed on any national securities exchange, in compliance with the requirements of the principal national securities exchange on which the Securities of that series are listed, or (2) if the Securities of that series are not listed on a national securities exchange, on a pro rata basis, by lot or by such other method as the Trustee deems fair and appropriate. In the event of a partial redemption or purchase by lot, the particular Securities to be redeemed or purchased will be selected not less than 30 nor more than 60 days prior to the redemption or purchase date by the Trustee from Securities of that series outstanding and not previously called for redemption.

The Trustee shall notify the Company promptly in writing of the Securities or portions of Securities to be called for redemption or purchase and, in the case of any Securities selected for partial redemption or purchase, the principal amount thereof to be redeemed or purchased. Except as otherwise provided as to any particular series of Securities, Securities and portions thereof that the Trustee selects shall be in amounts equal to the minimum authorized denomination for Securities of the series to be redeemed or purchased or any integral multiple thereof, except that if all of the Securities of the series are to be redeemed or purchased, the entire outstanding amount of the Securities of the series held by such Holder, even if not equal to the minimum authorized denomination for the Securities of that series, shall be redeemed or purchased. Provisions of this Indenture that apply to Securities called for redemption also apply to portions of Securities called for redemption.

*Section 3.03 Notice of Redemption.*

Except as otherwise provided as to any particular series of Securities, at least 30 days but not more than 60 days before a redemption date, the Company shall mail a notice of redemption to each Holder whose Securities are to be redeemed.

The notice shall identify the Securities of the series to be redeemed and shall state:

- (1) the redemption date;
- (2) the redemption price fixed in accordance with the terms of the Securities of the series to be redeemed, plus accrued interest, if any, to the date fixed for redemption (the "redemption price");

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(3) if any Security is being redeemed in part, the portion of the principal amount of such Security to be redeemed and that, after the redemption date, upon surrender of such Security, a new Security or Securities in principal amount equal to the unredeemed portion will be issued upon cancellation of the original Securities;

(4) the name and address of the Paying Agent;

(5) that Securities called for redemption must be surrendered to the Paying Agent to collect the redemption price;

(6) that, unless the Company defaults in payment of the redemption price, interest on Securities called for redemption ceases to accrue on and after the redemption date;

(7) the CUSIP number, if any, of the Securities to be redeemed;

(8) the paragraph of the Securities and/or the section of the Indenture pursuant to which the Securities called for redemption are being redeemed; and

(9) that no representation is made as to the correctness or accuracy of the CUSIP number, if any, listed in such notice or printed on the Securities.

At the Company's request, the Trustee shall give the notice of redemption in the Company's name and at its expense; *provided, however*, that the Company shall have delivered to the Trustee, at least 45 days prior to the redemption date, an Officers' Certificate requesting that the Trustee give such notice and setting forth the information to be stated in such notice as provided in the preceding paragraph. The notice mailed in the manner herein provided shall be conclusively presumed to have been duly given whether or not the Holder receives such notice. In any case, failure to give such notice by mail or any defect in the notice of the Holder of any Security shall not affect the validity of the proceeding for the redemption of any other Security.

#### Section 3.04 Effect of Notice of Redemption.

Except if the giving of a notice of redemption would violate the terms of the Company's credit agreement, and subject to the subordination provisions of any series of Securities, once notice of redemption is mailed in accordance with Section 3.03 hereof, Securities called for redemption become due and payable on the redemption date for the redemption price. Upon surrender to the Paying Agent, such Securities will be paid at the Redemption Price.

#### Section 3.05 Deposit of Redemption Price.

On or before 10:00 a.m., New York City time, on the redemption or purchase date, the Company shall deposit with the Trustee or Paying Agent (or, if the Company or any Affiliate is the Paying Agent, shall segregate and hold in trust) money sufficient to pay the redemption or purchase price of all Securities called for redemption on that date other than Securities that have previously been delivered by the Company to the Trustee for cancellation. The Paying Agent shall return to the Company any money not required for that purpose.

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If the Company complies with the provisions of the preceding paragraph, on and after the redemption or purchase date, interest shall cease to accrue on the Securities (or the portions thereof) called for redemption or purchase. If a Security is redeemed or purchased on or after an interest record date but on or prior to the related interest payment date, then any accrued and unpaid interest shall be paid to the Person in whose name such Securities were registered at the close of business on such record date. If any Securities called for redemption or purchase shall not be so paid upon surrender for redemption because of the failure of the Company to comply with the preceding paragraph, interest shall be paid on the unpaid principal, from the redemption or purchase date until such principal is paid, and to the extent lawful on any interest not paid on such unpaid principal, in each case at the rate provided in accordance with the terms of the Securities of the series to be redeemed.

*Section 3.06 Securities Redeemed or Purchased in Part.*

Upon surrender of a Security that is redeemed or purchased in part, the Company shall issue and the Trustee shall authenticate for the Holder at the expense of the Company a new Security of same series equal in principal amount to the unredeemed or unpurchased portion of the Security surrendered.

**ARTICLE 4**

**COVENANTS**

*Section 4.01 Payment of Securities.*

The Company shall pay or cause to be paid the principal of, premium, if any, and interest on the Securities on the dates and in the manner provided in this Indenture and the Securities. Principal, premium, if any, and interest shall be considered paid on the date due if the Paying Agent, if other than the Company or an Affiliate, holds as of 10:00 a.m., New York City time, on that date immediately available funds designated for and sufficient to pay all principal, premium, if any, and interest then due.

To the extent lawful, the Company shall pay interest on overdue principal and overdue installments of interest at the rate per annum borne by the applicable series of Securities.

*Section 4.02 Maintenance of Office or Agency.*

The Company shall maintain in the Borough of Manhattan, The City of New York, an office or agency (which may be an office of the Trustee or an affiliate of the Trustee or Registrar) where Securities may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Securities and this Indenture may be served. The Company shall give prompt written notice to the Trustee of the location, and any change in the location, of such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices, and demands may be made or served at the Corporate Trust Office of the Trustee.

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The Company may also from time to time designate one or more other offices or agencies where the Securities may be presented or surrendered for any or all such purposes and may from time to time rescind such designations; *provided, however*, that no such designation or rescission shall in any manner relieve the Company of its obligation to maintain an office or agency in the Borough of Manhattan, The City of New York for such purposes. The Company shall give prompt written notice to the Trustee of any such designation or rescission and of any change in the location of any such other office or agency.

The Company hereby designates the Corporate Trust Office of the Trustee as one such office or agency of the Company in accordance with Section 2.03.

*Section 4.03 Reports.*

The Company shall deliver to the Trustee within 15 days after it files them with the Commission copies of the annual reports and of the information, documents, and other reports (or copies of such portions of any of the foregoing as the Commission may by rules and regulations prescribe) that the Company is required to file with the Commission pursuant to Section 13 or 15(d) of the Exchange Act; *provided, however* the Company shall not be required to deliver to the Trustee any materials for which the Company has sought and received confidential treatment by the Commission. The Company also shall comply with the other provisions of TIA Section 314(a).

Delivery of such reports, information, and documents to the Trustee is for informational purposes only and the Trustee's receipt of such shall not constitute constructive notice of any information contained therein or determinable from information contained therein, including the Company's compliance with any of its covenants hereunder (as to which the Trustee is entitled to rely exclusively on Officers' Certificates).

*Section 4.04 Compliance Certificate.*

(a) The Company or any Guarantors shall deliver to the Trustee, within 120 days after the end of each fiscal year of the Company, an Officers' Certificate stating that a review of the activities of the Company and its Subsidiaries during the preceding fiscal year has been made under the supervision of the signing Officers (one of whom shall be the principal executive officer, principal financial officer, or principal accounting officer of the Company) with a view to determining whether the Company has kept, observed, performed, and fulfilled its obligations under this Indenture, and further stating, as to each such Officer signing such certificate, that to the best of his or her knowledge the Company has kept, observed, performed, and fulfilled each and every covenant contained in this Indenture and is not in default in the performance or observance of any of the terms, provisions, and conditions of this Indenture (or, if a Default or Event of Default shall have occurred, describing all such Defaults or Events of Default of which he or she may have knowledge and what action the Company is taking or proposes to take with respect thereto) and that to the best of his or her knowledge no event has occurred and remains in existence by reason of which payments on account of the principal or interest, if any, on the Notes is prohibited or if such event has occurred, a description of the event and what action the Company is taking or proposes to take with respect thereto.

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(b) The Company shall, so long as any of the Securities are outstanding, deliver to the Trustee, forthwith upon becoming aware of any Default or Event of Default, an Officers' Certificate specifying such Default or Event of Default and what action the Company is taking or proposes to take with respect thereto.

*Section 4.05 Taxes.*

The Company shall pay prior to delinquency, all material taxes, assessments, and governmental levies except such as are contested in good faith by appropriate proceedings or where the failure to effect such payment is not adverse in any material respect to the Holders of any Securities.

*Section 4.06 Stay, Extension, and Usury Laws.*

The Company and any Guarantors covenant (to the extent that it may lawfully do so) that they shall not at any time insist upon, plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay, extension, or usury law wherever enacted, now or at any time hereafter in force, that may affect the covenants or the performance of this Indenture; and the Company and each Guarantor (to the extent that they may lawfully do so) hereby expressly waive all benefits or advantages of any such law, and covenant that they shall not, by resort to any such law, hinder, delay, or impede the execution of any power herein granted to the Trustee, but shall suffer and permit the execution of every such power as though no such law has been enacted.

*Section 4.07 Calculation of Original Issue Discount.*

If, as of the end of any fiscal year of the Company, the Company has any outstanding Original Issue Discount Securities under the Indenture, the Company shall file with the Trustee promptly following the end of such fiscal year (i) a written notice specifying the amount of original issue discount (including daily rates and accrual periods) accrued on such Original Issue Discount Securities as of the end of such year and (ii) such other specific information relating to such original issue discount as may then be required under the Internal Revenue Code of 1986, as amended from time to time.

**ARTICLE 5**

**SUCCESSORS**

*Section 5.01 When Company May Merge, Etc.*

In addition to provisions applicable to a particular series of Securities, the Company shall not directly or indirectly: (i) consolidate or merge with or into another Person (whether or not the Company is the surviving Person) or (ii) sell, assign, transfer, lease, convey, or otherwise dispose of all or substantially all of the properties or assets of the Company and its Subsidiaries in one or more related transactions to any Person unless:

(1) either (x) the Company is the surviving Person; or (y) the Person formed by or surviving any such consolidation or merger (if other than the Company) or to which such sale, assignment, transfer, lease, conveyance, or other disposition shall have been made is a Person organized or existing under the laws of the United States, any state thereof, or the District of Columbia;

(2) the Person formed by or surviving any such consolidation or merger (if other than the Company) or the Person to which such sale, assignment, transfer, lease, conveyance, or other disposition shall have been made assumes (by supplemental indenture reasonably satisfactory to the Trustee) all the obligations of the Company under the Securities and this Indenture; and

(3) immediately after the transaction no Default or Event of Default exists.

The Company shall deliver to the Trustee on or prior to the consummation of the proposed transaction an Officers' Certificate to the foregoing effect and an Opinion of Counsel stating that the proposed transaction and such supplemental indenture comply with this Indenture.

*Section 5.02 Successor Person Substituted.*

Upon any consolidation or merger, or any sale, assignment, transfer, conveyance, or other disposition (other than by lease) of all or substantially all of the assets of the Company in accordance with Section 5.01 hereof, the successor Person formed by such consolidation or into which the Company is merged or to which such sale, assignment, transfer, conveyance, or other disposition is made shall succeed to, and be substituted for (so that from and after the date of such consolidation, merger, sale, conveyance, or other disposition, the provisions of this Indenture referring to the "Company" shall refer instead to the successor Person and not to the Company), and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor Person had been named as the Company herein; *provided, however*, that the predecessor Company shall not be relieved from the obligation to pay principal of, and interest on, any Securities except in the case of a sale, assignment, transfer, conveyance, or other disposition of all or substantially all of the Company's assets that meets the requirements of Section 5.01 hereof.

## ARTICLE 6

### DEFAULTS AND REMEDIES

*Section 6.01 Events of Default.*

An "Event of Default" occurs with respect to Securities of any particular series if, unless as otherwise provided in the establishing Board Resolution, Officers' Certificate, or supplemental indenture hereto:

(1) the Company defaults in the payment of interest on any Security of that series when the same becomes due and payable and the Default continues for a period of 30 days;

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(2) the Company defaults in the payment, when due, of the principal of, or premium, if any, on any Security of that series when the same becomes due and payable at Maturity, upon redemption (including in connection with any offer to purchase under the terms of such Securities), or otherwise;

(3) an Event of Default, as defined in the Securities of that series, occurs and is continuing, or the Company fails to comply with any of its other agreements in the Securities of that series or in this Indenture with respect to that series and the Default continues for the period and after the notice specified below;

(4) the Company pursuant to or within the meaning of any Bankruptcy Law:

(A) commences a voluntary case;

(B) consents to the entry of an order for relief against it in an involuntary case;

(C) consents to the appointment of a Custodian of it or for all or substantially all of its property;

(D) makes a general assignment for the benefit of its creditors; or

(E) admits in writing its inability generally to pay its debts as the same become due.

(5) a court of competent jurisdiction enters an order or decree under any Bankruptcy Law that:

(A) is for relief against the Company in an involuntary case;

(B) appoints a Custodian of the Company or for all or substantially all of its property; or

(C) orders the liquidation of the Company; and the order or decree remains unstayed and in effect for 60 days.

(6) any other Event of Default provided with respect to Securities of that series which is specified in a Board Resolution, Officers' Certificate, or supplemental indenture establishing that series of Securities.

The term "Bankruptcy Law" means Title 11, U.S. Code or any similar federal or state law for the relief of debtors. The term "Custodian" means any receiver, trustee, assignee, liquidator, or similar official under any Bankruptcy Law.

A Default under clause (3) above is not an Event of Default with respect to a particular series of Securities until the Trustee or the Holders of at least 50% in principal amount of the then outstanding Securities of that series notify the Company of the Default and the Company does not cure the Default within 60 days after receipt of the notice. The notice must specify the Default, demand that it be remedied, and state that the notice is a "Notice of Default." Such notice shall be given by the Trustee if so requested in writing by the Holders of 50% of the principal amount of the then outstanding Securities of that series.

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*Section 6.02 Acceleration.*

If an Event of Default with respect to Securities of any series (other than an Event of Default specified in clauses (4) and (5) of Section 6.01) occurs and is continuing, the Trustee by notice to the Company, or the Holders of at least 50% in principal amount of the then outstanding Securities of that series by notice to the Company and the Trustee, may, subject to any prior notice requirements set forth in any supplemental indenture, declare the unpaid principal (or, in the case of Original Issue Discount Securities, such lesser amount as may be provided for in such Securities) of and any accrued interest on all the Securities of that series to be due and payable on the Securities of that series. Upon such declaration the principal (or such lesser amount) and interest shall be due and payable immediately. If an Event of Default specified in clause (4) or (5) of Section 6.01 occurs, all of such amount shall become and be immediately due and payable without any declaration or other act on the part of the Trustee or any Holder. The Holders of a majority in principal amount of the then outstanding Securities of that series by notice to the Trustee may rescind an acceleration and its consequences if the rescission would not conflict with any judgment or decree and if all existing Events of Default with respect to that series have been cured or waived except nonpayment of principal (or such lesser amount) or interest that has become due solely because of the acceleration.

*Section 6.03 Other Remedies.*

If an Event of Default with respect to Securities of any series occurs and is continuing, the Trustee may pursue any available remedy to collect the payment of principal or interest on the Securities of that series or to enforce the performance of any provision of the Securities of that series or this Indenture.

The Trustee may maintain a proceeding even if it does not possess any of the Securities or does not produce any of them in the proceeding. A delay or omission by the Trustee or any Securityholder in exercising any right or remedy accruing upon an Event of Default shall not impair the right or remedy or constitute a waiver of or acquiescence in the Event of Default. All remedies are cumulative to the extent permitted by law.

*Section 6.04 Waiver of Past Defaults.*

Subject to Section 6.02, the Holders of not less than a majority in aggregate principal amount of the then outstanding Securities of any series, by notice to the Trustee, may on behalf of the Holders of the Securities of that series, waive an existing Default or Event of Default with respect to that series and its consequences except a continuing Default or Event of Default in the payment of the principal (including any mandatory sinking fund or like payment) of, premium, if any, or interest on any Security of that series (including in connection with an offer to purchase); *provided, however*, that the Holders of a majority in aggregate principal amount of the outstanding Securities of any series may rescind an acceleration and its consequences, including any related payment default that resulted from such acceleration and its consequences, including

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any related payment default that resulted from any such acceleration. Upon any such waiver, such Default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other Default or impair any right consequent thereon.

*Section 6.05 Control by Majority.*

The Holders of a majority in principal amount of the then outstanding Securities of any series may direct the time, method, and place of conducting any proceeding for exercising any remedy with respect to that series available to the Trustee or exercising any trust or power conferred on it. However, the Trustee may refuse to follow any direction that conflicts with law or this Indenture, that the Trustee determines may be unduly prejudicial to the rights of other Holders of Securities of that series, or that may involve the Trustee in personal liability. The Trustee may take any other action which it deems proper that is not inconsistent with any such direction. Notwithstanding any provision to the contrary in this Indenture, the Trustee shall not be obligated to take any action with respect to the provisions of Section 6.02 unless directed to do so pursuant to this Section 6.05.

*Section 6.06 Limitation on Suits.*

A Holder of Securities of any series may not pursue a remedy with respect to this Indenture or the Securities unless:

- (1) the Holder gives to the Trustee written notice of a continuing Event of Default with respect to that series;
- (2) the Holders of at least 25% in principal amount of the then outstanding Securities of that series make a written request to the Trustee to pursue the remedy;
- (3) such Holder or Holders offer, and, if requested, provide to the Trustee indemnity satisfactory to the Trustee against any loss, liability, or expense;
- (4) the Trustee does not comply with the request within 60 days after receipt of the request and the offer and, if requested, the provision of indemnity; and
- (5) during such 60-day period the Holders of a majority in principal amount of the then outstanding Securities of that series do not give the Trustee a direction inconsistent with the request.

No Holder of any series of Securities may use this Indenture to prejudice the rights of another Holder of Securities of that series or to obtain a preference or priority over another Holder of Securities of that series.

*Section 6.07 Rights of Holders to Receive Payment.*

Notwithstanding any other provision of this Indenture, the right of any Holder of a Security to receive payment of principal, premium, if any, and interest on the Security, on or after the respective due dates expressed in the Security (including in connection with any offer to purchase), or to bring suit for the enforcement of any such payment on or after such respective dates, shall not, except as provided in the subordination provisions, if any, applicable to such Security, be impaired or affected without the consent of the Holder.

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*Section 6.08 Collection Suit by Trustee.*

If an Event of Default specified in Section 6.01(1) or (2) hereof occurs and is continuing with respect to Securities of any series, the Trustee may recover judgment in its own name and as trustee of an express trust against the Company for the whole amount of principal (or such portion of the principal as may be specified as due upon acceleration at that time in the terms of that series of Securities), premium, if any, and interest, remaining unpaid on the Securities of that series then outstanding, together with (to the extent lawful) interest on overdue principal and interest, and such further amount as shall be sufficient to cover the costs and, to the extent lawful, expenses of collection, including the reasonable compensation, expenses, disbursements, and advances of the Trustee, its agents, and counsel, and any other amounts due the Trustee under Section 7.07 hereof.

*Section 6.09 Trustee May File Proofs of Claim.*

The Trustee may file such proofs of claim and other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for the reasonable compensation, expenses, disbursements, and advances of the Trustee, its agents, and counsel, and any other amounts due to the Trustee under Section 7.07 hereof) and the Securityholders allowed in any judicial proceedings relative to the Company (or any other obligor on the Securities), its creditors, or its property and shall be entitled to and empowered to collect, receive, and distribute any money or other property payable or deliverable on any such claims, and any custodian in any such judicial proceedings is hereby authorized by each Holder to make such payments to the Trustee and, in the event that the Trustee shall consent to the making of such payments directly to the Holders, to pay to the Trustee any amount due to it for the reasonable compensation, expenses, disbursements, and advances of the Trustee, its agent, and counsel, and any other amounts due the Trustee under Section 7.07 hereof. Nothing contained herein shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Securityholder any plan of reorganization, arrangement, adjustment, or composition affecting the Securities or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Securityholder in any such proceeding.

*Section 6.10 Priorities.*

If the Trustee collects any money with respect to Securities of any series pursuant to this Article, it shall pay out the money in the following order:

FIRST: to the Trustee, its agents, and attorneys for amounts due under Section 7.07 hereof, including payment of all compensation, expense, and liabilities incurred, and all advances made, by the Trustee and the costs and expenses of collection;

SECOND: in accordance with the subordination provisions, if any, of the Securities of such series;

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THIRD: to Securityholders for amounts due and unpaid on the Securities of such series for principal, premium, if any, and interest, ratably, without preference or priority of any kind, according to the amounts due and payable on the Securities of such series for principal, premium, if any, and interest, respectively; and

FOURTH: to the Company or to such party as a court of competent jurisdiction shall direct.

The Trustee may fix a record date and payment date for any payment to Holders of Securities of any series pursuant to this Section. The Trustee shall notify the Company in writing reasonably in advance of any such record date and payment date.

#### Section 6.11 Undertaking for Costs.

In any suit for the enforcement of any right or remedy under this Indenture or in any suit against the Trustee for any action taken or omitted by it as a Trustee, a court in its discretion may require the filing by any party litigant in the suit of an undertaking to pay the costs of the suit, and the court in its discretion may assess reasonable costs, including reasonable attorneys' fees and expenses, against any party litigant in the suit, having due regard to the merits and good faith of the claims or defense made by the party litigant. This Section does not apply to a suit by the Trustee, a suit by a Holder pursuant to Section 6.07 hereof, or a suit by Holders of more than 10% in principal amount of the then outstanding Securities of any series.

## ARTICLE 7

### TRUSTEE

#### *Section 7.01 Duties of Trustee.*

(a) If an Event of Default has occurred and is continuing, the Trustee shall exercise such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs.

(b) Except during the continuance of an Event of Default known to the Trustee:

(i) the duties of the Trustee shall be determined solely by the express provisions of this Indenture or the TIA and the Trustee need perform only those duties that are specifically set forth in this Indenture or the TIA and no others, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and

(ii) in the absence of bad faith on its part, the Trustee may conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon certificates or opinions furnished to the Trustee and conforming to the requirements of this Indenture. However, in the case of any certificates or opinions which by any provision hereof are specifically

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required to be furnished to the Trustee, the Trustee shall examine the certificates and opinions to determine whether or not they conform to the requirements of this Indenture (but need not confirm or investigate the accuracy of mathematical calculations or other facts stated therein).

(c) The Trustee may not be relieved from liabilities for its own negligent action, its own negligent failure to act, or its own willful misconduct, except that:

(i) this paragraph does not limit the effect of paragraph (b) of this Section;

(ii) the Trustee shall not be liable for any error of judgment made in good faith by a responsible officer of the Trustee, unless it is proved that the Trustee was negligent in ascertaining the pertinent facts; and

(iii) the Trustee shall not be liable with respect to any action it takes or omits to take in good faith in accordance with a direction received by it pursuant to Section 6.05 hereof.

(d) Whether or not therein expressly so provided, every provision of this Indenture that in any way relates to the Trustee is subject to paragraphs (a), (b), and (c) of this Section.

(e) No provision of this Indenture shall require the Trustee to expend or risk its own funds or incur any liability. The Trustee may refuse to perform any duty or exercise any right or power, including without limitation, the provisions of Section 6.05 hereof, unless it receives security and indemnity satisfactory to it against any loss, liability or expense.

(f) The Trustee shall not be liable for interest on any money received by it except as the Trustee may agree in writing with the Company. Absent written instruction from the Company, the Trustee shall not be required to invest any such money. Money held in trust by the Trustee need not be segregated from other funds except to the extent required by law.

*Section 7.02 Rights of Trustee.*

Subject to TIA Section 315(a) through (d):

(a) The Trustee may conclusively rely on any document believed by it to be genuine and to have been signed or presented by the proper person. The Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness, or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit.

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(b) Before the Trustee acts or refrains from acting, it may require an Officers' Certificate or an Opinion of Counsel, or both. The Trustee shall not be liable for any action it takes or omits to take in good faith in reliance on such Officers' Certificate or Opinion of Counsel.

(c) The Trustee may act through agents and shall not be responsible for the misconduct or negligence of any agent appointed with due care.

(d) The Trustee shall not be liable for any action it takes or omits to take in good faith which it believes to be authorized or within its rights or powers under the Indenture, unless the Trustee's conduct constitutes negligence.

(e) Unless otherwise specifically provided in this Indenture, any demand, request, direction, or notice from the Company shall be sufficient if signed by an Officer of the Company.

(f) The Trustee may consult with counsel of its selection and may rely upon the advice of such counsel or any Opinion of Counsel.

(g) The Trustee shall not be deemed to have notice of any Default or Event of Default unless a Trust Officer of the Trustee has actual knowledge thereof or unless written notice of any event that is in fact such a default is received by the Trustee at the Corporate Trust Office of the Trustee, and such notice references the Securities generally or the Securities of a particular series, as the case may be, and this Indenture.

(h) The permissive rights of the Trustee to do things enumerated in this Indenture shall not be construed as duties.

#### *Section 7.03 Individual Rights of Trustee.*

The Trustee in its individual or any other capacity may become the owner or pledgee of Securities and may otherwise deal with the Company or an Affiliate with the same rights it would have if it were not Trustee. Any Agent may do the same with like rights. However, the Trustee is subject to TIA Sections 310(b) and 311.

#### *Section 7.04 Trustee's Disclaimer.*

The Trustee makes no representation as to the validity or adequacy of this Indenture or the Securities, it shall not be accountable for the Company's use of the proceeds from the Securities, and it shall not be responsible for any statement in the Securities other than its certificate of authentication.

#### *Section 7.05 Notice of Defaults.*

If a Default or Event of Default with respect to the Securities of any series occurs and is continuing and if it is known to the Trustee, the Trustee shall mail to all Holders of Securities of that series a notice of the Default or Event of Default within 90 days after it occurs. Except in the case of a Default or Event of Default in payment on any such Security, the Trustee may withhold the notice if and so long as a committee of its Trust Officers in good faith determines that withholding the notice is in the interests of such Securityholders.

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*Section 7.06 Reports by Trustee to Holders.*

Within 60 days after May 15 in each year, the Trustee with respect to any series of Securities shall mail to Holders of Securities of that series as provided in TIA Section 313(c) a brief report dated as of such May 15 that complies with TIA Section 313(a) (if such report is required by TIA Section 313(a)). The Trustee shall also comply with TIA Section 313(b)(2).

A copy of each report at the time of its mailing to Securityholders shall be mailed to the Company and filed with the Commission and each stock exchange on which any of the Securities are listed, as required by TIA Section 313(d). The Company shall notify the Trustee when the Securities are listed on any stock exchange, and of any delisting thereof.

*Section 7.07 Compensation and Indemnity.*

The Company shall pay to the Trustee from time to time such compensation as shall be agreed upon in writing for its services hereunder. The Company shall reimburse the Trustee upon written request for all reasonable out-of-pocket expenses incurred by it. Such expenses shall include the reasonable compensation and out-of-pocket expenses of the Trustee's agents and counsel.

The Company shall indemnify each of the Trustee or any predecessor Trustee for any loss, liability, damage, claims, or expenses, including taxes (other than taxes based upon, measured by or determined by the income of the Trustee) incurred by it, without negligence or bad faith on its part, in connection with the acceptance or administration of this Indenture and its duties hereunder. The Trustee shall notify the Company promptly of any claim for which it may seek indemnity. The Company shall defend the claim and the Trustee shall cooperate in the defense. The Trustee may have separate counsel and the Company shall pay the reasonable fees and expenses of such counsel. The Company need not pay for any settlement made without its consent.

To secure the Company's payment obligations in this Section, the Trustee shall have a lien prior to the Securities on all money or property held or collected by the Trustee in its capacity as Trustee, except money or property held in trust to pay principal and interest on particular Securities. Such lien will survive the satisfaction and discharge of this Indenture.

If the Trustee incurs expenses or renders services after an Event of Default specified in Section 6.01(4) or (5) hereof occurs, the expenses and the compensation for the services will be intended to constitute expenses of administration under any applicable Bankruptcy Law.

This Section 7.07 shall survive the resignation or removal of the Trustee and the termination of this Indenture.

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*Section 7.08 Replacement of Trustee.*

A resignation or removal of the Trustee with respect to one or more or all series of Securities and appointment of a successor Trustee shall become effective only upon the successor Trustee's acceptance of appointment as provided in this Section.

The Trustee may resign with respect to one or more or all series of Securities by so notifying the Company in writing. The Holders of a majority in principal amount of the then outstanding Securities of any series may remove the Trustee as to that series by so notifying the Trustee in writing and may appoint a successor Trustee with the Company's consent. The Company may remove the Trustee with respect to one or more or all series of Securities if:

- (1) the Trustee fails to comply with Section 7.10 hereof;
- (2) the Trustee is adjudged bankrupt or insolvent;
- (3) a receiver or other public officer takes charge of the Trustee or its property; or
- (4) the Trustee becomes incapable of acting.

If, as to any series of Securities, the Trustee resigns or is removed or if a vacancy exists in the office of Trustee for any reason, the Company shall promptly appoint a successor Trustee for that series. Within one year after the successor Trustee with respect to any series takes office, the Holders of a majority in principal amount of the then outstanding Securities of that series may appoint a successor Trustee to replace the successor Trustee appointed by the Company. If a successor Trustee as to a particular series does not take office within 60 days after the retiring Trustee resigns or is removed, the retiring Trustee, the Company, or the Holders of at least 10% in principal amount of the then outstanding Securities of that series may petition any court of competent jurisdiction for the appointment of a successor Trustee.

If the Trustee fails to comply with Section 7.10 hereof with respect to any series, any Holder of Securities of that series who satisfies the requirements of TIA Section 310(b) may petition any court of competent jurisdiction for the removal of the Trustee and the appointment of a successor Trustee for that series.

A successor Trustee as to any series of Securities shall deliver a written acceptance of its appointment to the retiring Trustee and to the Company. Immediately after that, the retiring Trustee shall promptly transfer all property held by it as Trustee to the successor Trustee (subject to the lien provided for in Section 7.07 hereof), the resignation or removal of the retiring Trustee shall become effective, and the successor Trustee shall have all the rights, powers, and duties of the Trustee under this Indenture as to that series. The successor Trustee shall mail a notice of its succession to the Holders of Securities of that series.

Notwithstanding replacement of the Trustee pursuant to this Section 7.08, the Company's obligations under Section 7.07 hereof shall continue for the benefit of the retiring trustee.

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In case of the appointment hereunder of a successor Trustee with respect to the Securities of one or more (but not all) series, the Company, the retiring Trustee, and each successor Trustee with respect to the Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor Trustee shall accept such appointment and that (1) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor Trustee all the rights, powers, trusts, and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates, (2) shall contain such provisions as shall be necessary or desirable to confirm that all the rights, powers, trusts, and duties of the retiring Trustee with respect to the Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (3) shall add to or change any of the provisions of this Indenture as shall be necessary or desirable to provide for or facilitate the administration of the trusts hereunder by more than one Trustee; *provided, however*, that nothing herein or in such supplemental indenture shall constitute such Trustee co-trustees of the same trust and that each such Trustee shall be trustee of a trust hereunder separate and apart from any trust hereunder administered by any other such Trustee.

Upon the execution and delivery of such supplemental indenture the resignation or removal of the retiring Trustee shall become effective to the extent provided therein and each such successor Trustee, without any further act, deed, or conveyance, shall become vested with all the rights, powers, trusts, and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates.

*Section 7.09 Successor Trustee by Merger, etc.*

If the Trustee as to any series of Securities consolidates, merges, or converts into, or transfers all or substantially all of its corporate trust business to, another corporation, the successor corporation without any further act shall be the successor Trustee as to that series.

*Section 7.10 Eligibility; Disqualification.*

Each series of Securities shall always have a Trustee who satisfies the requirements of TIA Section 310(a)(1), (2), and (5). The Trustee as to any series of Securities shall always have a combined capital and surplus of at least \$25,000,000 as set forth in its most recent published annual report of condition. The Trustee is subject to TIA Section 310(b).

*Section 7.11 Preferential Collection of Claims Against Company.*

The Trustee is subject to TIA Section 311(a), excluding any creditor relationship listed in TIA Section 311(b). A Trustee who has resigned or been removed shall be subject to TIA Section 311(a) to the extent indicated therein.

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**ARTICLE 8**

**SATISFACTION AND DISCHARGE; DEFEASANCE**

*Section 8.01 Satisfaction and Discharge.*

This Indenture will be discharged and will cease to be of further effect with respect to any series of Securities issued hereunder, when:

(1) either:

(a) all Securities of such series that have been authenticated (except lost, stolen, or destroyed Securities that have been replaced or paid and Notes for whose payment money has theretofore been deposited in trust and thereafter repaid to the Company) have been delivered to the Trustee for cancellation; or

(b) all Securities of such series that have not been delivered to the Trustee for cancellation have become due and payable by reason of the making of a notice of redemption or otherwise or will become due and payable within one year and the Company or any Guarantor has irrevocably deposited or caused to be deposited with the Trustee as trust funds in trust solely for the benefit of the Holders, cash in U.S. dollars, non-callable U.S. Government Obligations, foreign government obligations, or a combination thereof, in such amounts as will be sufficient without consideration of any reinvestment of interest, to pay and discharge the entire indebtedness on the Notes not delivered to the Trustee for cancellation for principal, premium, and accrued interest to the date of Maturity or redemption;

(2) no Default or Event of Default with respect to such series of Securities shall have occurred and be continuing on the date of such deposit or shall occur as a result of such deposit and such deposit will not result in a breach or violation of, or constitute a default under, any other material instrument to which the Company or any Guarantor is a party to or by which the Company or any Guarantor is bound;

(3) the Company or any Guarantor has paid or caused to be paid all sums payable by it under this Indenture with respect to such series of Securities; and

(4) the Company has delivered irrevocable instructions to the Trustee under this Indenture to apply the deposited money toward the payment of the Securities of such series at Maturity or the redemption date, as the case may be. In addition, the Company must deliver an Officers' Certificate and an Opinion of Counsel to the Trustee stating that all conditions precedent to satisfaction and discharge have been satisfied.

Notwithstanding, the satisfaction and discharge of this Indenture with respect to a series of Securities, if money shall have been deposited with the Trustee pursuant to subclause (b) of clause (1) of this Section, the provisions of Section 8.06 shall survive.

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For purposes of this Indenture, the term “foreign government obligations” means, with respect to Securities of any series that are denominated in a currency other than United States dollars, (a) direct obligations of the government that issued or caused to be issued such currency for the payment of which obligations its full faith and credit is pledged, which are not callable or redeemable at the option of the issuer thereof; or (b) obligations of a person controlled or supervised by or acting as an agency or instrumentality of that government, the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by that government, which are not callable or redeemable at the option of the issuer thereof.

*Section 8.02 Option to Effect Legal Defeasance or Covenant Defeasance.*

Unless Section 8.03 or 8.04 is otherwise specified to be inapplicable to Securities of a series, the Company may, at the option of its Board of Directors evidenced by a resolution set forth in an Officers’ Certificate, at any time, elect to have either Section 8.03 or 8.04 hereof be applied to all outstanding Securities of any such series upon compliance with the conditions set forth below in this Article 8.

*Section 8.03 Legal Defeasance and Discharge.*

Upon the Company’s exercise under Section 8.02 hereof of the option applicable to this Section 8.03, the Company and any Guarantor shall, subject to the satisfaction of the conditions set forth in Section 8.05 hereof, be deemed to have been discharged from their respective obligations with respect to all outstanding Securities of any series on the date the conditions set forth below are satisfied (hereinafter, “Legal Defeasance”). For this purpose, Legal Defeasance means that the Company and any Guarantor shall be deemed to have paid and discharged the entire Indebtedness represented by the outstanding Securities of a series, which shall thereafter be deemed to be “outstanding” only for the purposes of Section 8.06 hereof and the other Sections of this Indenture referred to in (a) and (b) below, and to have satisfied all its other obligations under such Securities and this Indenture (and the Trustee, on demand of and at the expense of the Company, shall execute proper instruments acknowledging the same), except for the following provisions which shall survive until otherwise terminated or discharged hereunder: (a) the rights of Holders of outstanding Securities to receive solely from the trust fund described in Section 8.05 hereof, and as more fully set forth in such Section, payments in respect of the principal of, premium, and interest on such Securities when such payments are due, (b) the Company’s obligations with respect to such Notes under Article 2 and Section 4.02 hereof, (c) the rights, powers, trusts, duties, and immunities of the Trustee hereunder and the Company’s or any Guarantors’ obligations in connection therewith, and (d) this Article 8. Subject to compliance with this Article 8, the Company may exercise its option under this Section 8.03 notwithstanding the prior exercise of its option under Section 8.04 hereof.

*Section 8.04 Covenant Defeasance.*

Upon the Company’s exercise under Section 8.02 hereof of the option applicable to this Section 8.04, the Company or any Guarantors shall, subject to the satisfaction of the conditions set forth in Section 8.05 hereof, be released from their respective obligations under the covenants contained in Sections 4.03, 4.04, 4.05, 4.06, and 4.07, and Section 5.01 hereof with respect to the outstanding Securities of any series on and after the date the conditions set forth in Section 8.05

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are satisfied (hereinafter, "Covenant Defeasance"), and the Securities of such series shall thereafter be deemed not "outstanding" for the purposes of any direction, waiver, consent, or declaration, or act of Holders (and the consequences of any thereof) in connection with such covenants, but shall continue to be deemed "outstanding" for all other purposes hereunder (it being understood that such Securities shall not be deemed outstanding for accounting purposes). For this purpose, Covenant Defeasance means that, with respect to the outstanding Securities of any series, the Company or any Guarantors may omit to comply with and shall have no liability in respect of any term, condition, or limitation set forth in any such covenant, whether directly or indirectly, by reason of any reference elsewhere herein to any such covenant or by reason of any reference in any such covenant to any other provision herein or in any other document and such omission to comply shall not constitute a Default or an Event of Default under Section 6.01 hereof, but, except as specified above, the remainder of this Indenture and such Securities shall be unaffected thereby. In addition, upon the Company's exercise under Section 8.02 hereof of the option applicable to this Section 8.04 hereof, subject to the satisfaction of the conditions set forth in Section 8.05 hereof, Sections 6.01(3) through 6.01(6) hereof shall not constitute Events of Default.

*Section 8.05 Conditions to Legal or Covenant Defeasance.*

The following shall be the conditions to the application of either Section 8.03 or 8.04 hereof to the outstanding Securities of any series. In order to exercise either Legal Defeasance or Covenant Defeasance:

(a) the Company must irrevocably deposit with the Trustee, in trust, for the benefit of the Holders, cash in United States dollars, non-callable U.S. Government Obligations, foreign government obligations, or a combination thereof, in such amounts as will be sufficient, in the opinion of a nationally recognized firm of independent public accountants, to pay the principal of, premium, and interest on the outstanding Securities on the stated date for payment thereof or on the applicable redemption date, as the case may be;

(b) in the case of an election under Section 8.03 hereof, the Company shall have delivered to the Trustee an Opinion of Counsel in the United States reasonably acceptable to the Trustee confirming that (A) the Company has received from, or there has been published by, the Internal Revenue Service a ruling or (B) since the date hereof, there has been a change in the applicable federal income tax law, in either case to the effect that, and based thereon such Opinion of Counsel shall confirm that, the Holders of the outstanding Securities will not recognize income, gain, or loss for federal income tax purposes as a result of such Legal 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 Legal Defeasance had not occurred;

(c) in the case of an election under Section 8.04 hereof, the Company shall have delivered to the Trustee an Opinion of Counsel in the United States reasonably acceptable to the Trustee confirming that the Holders of the outstanding Securities will not recognize income, gain, or loss for federal income tax purposes as a result of such 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 Covenant Defeasance had not occurred;

(d) no Default or Event of Default shall have occurred and be continuing on the date of such deposit (other than a Default or Event of Default resulting from the incurrence of Indebtedness all or a portion of the proceeds of which will be used to defease the Securities pursuant to this Article 8 concurrently with such incurrence) or insofar as Sections 6.01(4) or 6.01(5) hereof is concerned, at any time in the period ending on the 91st day after the date of deposit;

(e) such Legal Defeasance or Covenant Defeasance shall not result in a breach or violation of, or constitute a default under, any material agreement or instrument (other than this Indenture) to which the Company or any of its Subsidiaries is a party or by which the Company or any of its Subsidiaries is bound;

(f) the Company shall have delivered to the Trustee an Officers' Certificate stating that the deposit was not made by the Company with the intent of preferring the Holders over any other creditors of the Company or with the intent of defeating, hindering, delaying, or defrauding any other creditors of the Company; and

(g) the Company shall have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent provided for or relating to the Legal Defeasance or the Covenant Defeasance have been complied with.

*Section 8.06 Deposited Money and Government Securities to be Held in Trust; Other Miscellaneous Provisions.*

Subject to Section 8.07 hereof, all money and non-callable U.S. Government Obligations or foreign government obligations (including the proceeds thereof) deposited with the Trustee (or other qualifying trustee, collectively for purposes of this Section 8.06, the "Trustee") pursuant to Section 8.01 or Section 8.05 hereof in respect of the outstanding Securities shall be held in trust and applied by the Trustee, in accordance with the provisions of such Securities and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as Paying Agent) as the Trustee may determine, to the Holders of such Securities of all sums due and to become due thereon in respect of principal, premium, if any, and interest, but such money need not be segregated from other funds except to the extent required by law.

The Company shall pay and indemnify the Trustee against any tax, fee, or other charge imposed on or assessed against the cash or non-callable U.S. Government Obligations or foreign government obligations deposited pursuant to Section 8.05 hereof or the principal and interest received in respect thereof other than any such tax, fee, or other charge which by law is for the account of the Holders of the outstanding Securities.

Anything in this Article 8 to the contrary notwithstanding, the Trustee shall deliver or pay to the Company from time to time upon the request of the Company any money or non-callable U.S. Government Obligations or foreign government obligations held by it as provided in Section 8.05 hereof which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee (which may be the opinion delivered under Section 8.05(a) hereof), are in excess of the amount thereof that would then be required to be deposited to effect an equivalent Legal Defeasance or Covenant Defeasance.

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*Section 8.07 Repayment to Company.*

Any money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of, premium, if any, or interest on any Securities and remaining unclaimed for two years after such principal and premium, if any, or interest has become due and payable shall be paid to the Company on its request or (if then held by the Company) shall be discharged from such trust; and the Holder of such Securities shall thereafter look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such trust money, and all liability of the Company as trustee thereof, shall thereupon cease; *provided, however*, that the Trustee or such Paying Agent, before being required to make any such repayment, may at the expense of the Company cause to be published once, in the New York Times and The Wall Street Journal (national edition), notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 days from the date of such notification or publication, any unclaimed balance of such money then remaining will be repaid to the Company.

*Section 8.08 Reinstatement.*

If the Trustee or Paying Agent is unable to apply any United States dollars or non-callable U.S. Government Securities in accordance with Section 8.03 or 8.04 hereof, as the case may be, by reason of any order or judgment of any court or governmental authority enjoining, restraining or otherwise prohibiting such application, then the Company's obligations under this Indenture and the Securities shall be revived and reinstated as though no deposit had occurred pursuant to Section 8.03 or 8.04 hereof until such time as the Trustee or Paying Agent is permitted to apply all such money in accordance with Section 8.03 or 8.04 hereof, as the case may be; *provided, however*, that, if the Company makes any payment of principal of, premium, if any, or interest on any Securities following the reinstatement of its obligations, the Company shall be subrogated to the rights of the Holders of such Securities to receive such payment from the money held by the Trustee or Paying Agent.

**ARTICLE 9**

**SUPPLEMENTS, AMENDMENTS, AND WAIVERS**

*Section 9.01 Without Consent of Holders.*

The Company and the Trustee as to any series of Securities may supplement or amend this Indenture or the Securities without notice to or the consent of any Securityholder:

- (1) to cure any ambiguity, defect, or inconsistency;
- (2) to comply with Article 5;

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- (3) to comply with any requirements of the Commission in connection with the qualification of this Indenture under the TIA;
- (4) to add or change any provisions of this Indenture to facilitate the issuance of, or to liberalize the terms of, Securities issued in bearer form, or to permit or facilitate the issuance of Securities in uncertificated form, provided that this action will not adversely affect the interests of the Holders of the Securities of any series in any material respect;
- (5) to add to, change, or eliminate any of the provisions of this Indenture in respect of one or more series of Securities; *provided, however*, that any such addition, change, or elimination (A) shall neither (i) apply to any Security of any series created prior to the execution of such supplemental indenture and entitled to the benefit of such provision nor (ii) modify the rights of the Holder of any such Security with respect to such provision; or (B) shall become effective only when there is no outstanding Security of any series created prior to the execution of such supplemental indenture and entitled to the benefit of such provision;
- (6) to add to existing covenants additional covenants for the benefit of the Holders of all or any series of Securities, to surrender any right or power conferred upon the Company in this Indenture, or to add events of default for the benefit of Holders of all or any series of Securities;
- (7) to secure previously unsecured Securities;
- (8) to make any change that does not adversely affect in any material respect the interests of the Securityholders of any series;
- (9) to establish additional series of Securities as permitted by Section 2.01 hereof;
- (10) to establish the form or terms of Securities of any series, including the provisions and procedures, if applicable, for the conversion or exchange of the Securities into other securities or property;
- (11) to evidence and provide for the acceptance or appointment of a successor Trustee or facilitate the administration of the trusts under this Indenture by more than one Trustee;
- (12) to make any provision with respect to the conversion or exchange of rights of Holders pursuant to the requirements of this Indenture;
- (13) to close this Indenture with respect to the authentication and delivery of additional series of Securities or to qualify, or maintain qualification of, this Indenture under the TIA; or
- (14) to supplement any of the provisions of this Indenture to the extent necessary to permit or facilitate defeasance and discharge of any series of Securities, provided that the action shall not adversely affect the interests of the Holders of Securities of any series in any material respect.

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*Section 9.02 With Consent of Holders.*

Subject to Section 6.07, the Company and the Trustee as to any series of Securities may amend this Indenture or the Securities of that series with the written consent of the Holders of a majority in principal amount of the then outstanding Securities of each series affected by the amendment, with each such series voting as a separate class. The Holders of a majority in principal amount of the then outstanding Securities of any series may also waive compliance in a particular instance by the Company with any provision of this Indenture with respect to that series or the Securities of that series; *provided, however*, that without the consent of each Securityholder affected, an amendment or waiver may not:

- (1) reduce the percentage of the principal amount of Securities whose Holders must consent to an amendment or waiver;
- (2) reduce the amount of, or postpone the date fixed for, the payment of any sinking fund or analogous provision;
- (3) reduce the rate of, or change the time for payment of interest on, any Security;
- (4) reduce the principal of or change the fixed Maturity of any Security or waive a redemption payment or alter the redemption provisions with respect thereto;
- (5) make any Security payable in money other than that stated in the Security (including defaulted interest);
- (6) reduce the principal amount of Original Issue Discount Securities payable upon acceleration of the Maturity thereof;
- (7) make any change in Section 6.04, 6.07, or this Section 9.02;
- (8) waive a default in the payment of the principal of, or interest on, any Security, except to the extent otherwise provided for in Section 6.02 hereof;
- (9) change the place of payment on a Security;
- (10) change the currency or currencies of payment of the principal of, and any premium, make-whole payment, interest, or additional amounts on, any Security;
- (11) reduce the percentage of Holders of Securities whose consent is needed to modify or amend this Indenture;
- (12) reduce the percentage of the Holders of outstanding Securities of any series necessary to modify or amend this Indenture, to waive compliance with provisions of this Indenture or defaults and their consequences under this Indenture, or to reduce the quorum or voting requirements contained in this Indenture;

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(13) make any change that adversely affects the right to convert or exchange any Security other than as permitted by this Indenture or decrease the conversion or exchange rate or increase the conversion or exchange price of any such Security; or

(14) waive a redemption payment with respect to any Security.

An amendment or waiver under this Section that waives, changes, or eliminates any covenant or other provision of this Indenture that has expressly been included solely for the benefit of one or more particular series of Securities, or that modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Securities of any other series.

It shall not be necessary for the consent of the Holders under this Section to approve the particular form of any proposed amendment or waiver, but it shall be sufficient if such consent approves the substance thereof.

The Company shall mail supplemental indentures to Holders upon request. Any failure of the Company to mail such notice, or any defect therein, shall not, however, in any way impair or affect the validity of any such supplemental indenture or waiver.

*Section 9.03 Revocation and Effect of Consents.*

Until an amendment or waiver becomes effective, a consent to it by a Holder of a Security is a continuing consent by the Holder and every subsequent Holder of a Security or portion of a Security that evidences the same debt as the consenting Holder's Security, even if notation of the consent is not made on any Security; *provided, however*, any such Holder or subsequent Holder may revoke the consent as to his Security or portion of a Security if the Trustee receives the written notice of revocation before the date on which the amendment, supplement, or waiver becomes effective. An amendment, supplement, or waiver shall become effective in accordance with its terms and thereafter shall bind every Holder of Securities of that series.

*Section 9.04 Notation on or Exchange of Securities.*

If an amendment, supplement, or waiver changes the terms of a Security: (a) the Trustee may require the Holder of the Security to deliver it to the Trustee, the Trustee may, at the written direction of the Company and at the Company's expense, place an appropriate notation on the Security about the changed terms and return it to the Holder and the Trustee may place an appropriate notation on any Security thereafter authenticated; or (b) if the Company or the Trustee so determines, the Company in exchange for the Security shall issue and the Trustee shall authenticate a new Security that reflects the changed terms.

Failure to make the appropriate notation or issue a new Security shall not affect the validity and effect of such amendment, supplement, or waiver.

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*Section 9.05 Trustee to Sign Amendments, etc.*

Subject to the preceding sentence, the Trustee shall sign any amendment or supplemental indenture if the same does not adversely affect the rights, duties, liabilities, or immunities of the Trustee. The Trustee may, but shall not be obligated to, execute any such amendment, supplement, or waiver that affects the Trustee's own rights, duties, liabilities, or immunities under this Indenture or otherwise. The Company may not sign an amendment or supplemental indenture until the Board of Directors approves it. In executing any amended or supplemental indenture, the Trustee shall be entitled to receive and (subject to Section 7.01) shall be fully protected in relying upon, in addition to the documents required by Section 11.04 hereof, an Officer's Certificate and an Opinion of Counsel stating that the execution of such amended or supplemental indenture is authorized or permitted by this Indenture.

**ARTICLE 10**

**GUARANTEES**

*Section 10.01 Guarantee.*

Any series of Securities may be guaranteed by one or more of the Guarantors. The terms and the form of any such Guarantee will be established in the manner contemplated by Section 2.01 for that particular series of Securities.

**ARTICLE 11**

**MISCELLANEOUS**

*Section 11.01 Indenture Subject to Trust Indenture Act.*

This Indenture is subject to the provisions of the TIA that are required to be part of this Indenture, and shall, to the extent applicable, be governed by such provisions.

*Section 11.02 Notices.*

Any notice or communication is duly given if in writing and delivered in person or sent by first-class mail (registered or certified, return receipt requested), telecopier or overnight air courier guaranteeing next-day delivery, addressed as follows:

If to the Company and/or any Guarantor:

OPKO Health, Inc.  
4400 Biscayne Blvd.  
Miami, Florida 33137  
Attention: Kate Inman, General Counsel  
Telephone: (305) 575-4138

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with a copy to:

Greenberg Traurig, P.A.  
333 S.E. 2nd Avenue, Suite 4400  
Miami, FL 33131  
Attention: Robert L. Grossman, Esq.  
Joshua M. Samek, Esq.  
Telephone: (305) 579-0500  
Facsimile: (305) 961-5856

If to the Trustee:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attention: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_

The Company or the Trustee by notice to the other may designate additional or different addresses for subsequent notices or communications.

All notices and communications (other than those sent to Holders) shall be deemed to have been duly given: at the time delivered by hand, if personally delivered; five Business Days after being deposited in the mail, postage prepaid, if mailed; when receipt acknowledged, if telecopied; and the next Business Day after timely delivery to the courier, if sent by overnight air courier guaranteeing next-day delivery.

Any notice or communication to a Securityholder shall be mailed by first-class mail, certified or registered, return receipt requested, or by overnight air courier guaranteeing next day delivery to his address shown on the register kept by the Registrar. Failure to mail a notice or communication to a Security holder or any defect in it shall not affect its sufficiency with respect to other Securityholders. If the Company mails a notice or communication to Securityholders, it shall mail a copy to the Trustee at the same time. Any notice or communication shall also be mailed to any Person described in TIA Section 313(c), to the extent required by the TIA.

If a notice or communication is mailed in the manner provided above within the time prescribed, it is duly given, whether or not the addressee receives it.

*Section 11.03 Communication By Holders With Other Holders.*

Holders may communicate pursuant to TIA Section 312(b) with other Holders with respect to their rights under this Indenture or the Securities. The Company, the Trustee, the Registrar, and anyone else shall have the protection of TIA Section 312(c).

*Section 11.04 Certificate and Opinion as to Conditions Precedent.*

Upon any request or application by the Company to the Trustee to take any action under this Indenture, the Company shall furnish to the Trustee:

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(a) an Officers' Certificate, in form and substance reasonably satisfactory to the Trustee (which shall include the statements set forth in Section 11.05 hereof) stating that, in the opinion of the signers, all conditions precedent and covenants, if any, provided for in this Indenture relating to the proposed action have been complied with; and

(b) an Opinion of Counsel, in form and substance reasonably satisfactory to the Trustee (which shall include the statements set forth in Section 11.05 hereof) stating that, in the opinion of such counsel, such action is authorized or permitted by this Indenture and that all such conditions precedent have been complied with.

*Section 11.05 Statements Required in Certificate or Opinion.*

Each certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture (other than the certificate provided pursuant to TIA Section 314(a)(4)) shall include:

(1) a statement that the Person making such certificate or opinion has read such covenant or condition;

(2) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based;

(3) a statement that, in the opinion of such Person, he or she has made such examination or investigation as is necessary to enable him or her to express an informed opinion as to whether or not such covenant or condition has been complied with; and

(4) a statement as to whether or not, in the opinion of such Person, such condition or covenant has been complied with; *provided, however,* that with respect to matters of fact an Opinion of Counsel may rely on an officer's certificate or certificates of public officials.

*Section 11.06 Rules by Trustee and Agents.*

The Trustee as to Securities of any series may make reasonable rules for action by or at a meeting of Holders of Securities of that series. The Registrar and any Paying Agent or Authenticating Agent may make reasonable rules and set reasonable requirements for their functions.

*Section 11.07 Legal Holidays.*

A "Legal Holiday" is a Saturday, a Sunday, or a day on which banking institutions in the City of New York, New York or at a place of payment are authorized by law, regulation, or executive order to remain closed. If a payment date is a Legal Holiday at a place of payment, payment may be made at that place on the next succeeding day that is not a Legal Holiday, and no interest shall accrue for the intervening period.

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*Section 11.08 No Recourse Against Others.*

No past, present or future director, officer, employee, manager, securityholder, or incorporator, as such, of the Company or any successor Person shall have any liability for any obligations of the Company or any Guarantor under any series of Securities, any guarantees thereof, or the Indenture or for any claim based on, in respect of, or by reason of such obligations or their creation. Each Securityholder by accepting a Security waives and releases all such liability. The waiver and release are part of the consideration of issuance of the Securities.

*Section 11.09 Counterparts.*

This Indenture may be executed by the parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

*Section 11.10 Governing Law.*

The internal laws of the state of New York shall govern and be used to construe this Indenture and the Securities (including any guarantees thereof), without giving effect to the applicable principles of conflicts of laws to the extent that the application of the laws of another jurisdiction would be required thereby.

*Section 11.11 Submission to Jurisdiction; Service of Process; Waiver of Jury Trial*

Each party hereto hereby submits to the nonexclusive jurisdiction of the United States District Court for the Southern District of New York and of any New York State Court sitting in New York City for purposes of all legal proceedings arising out of or relating to this Indenture, the Securities (including any guarantee thereof) or the transactions contemplated hereby and thereby. Each party hereto irrevocably waives, to the fullest extent permitted by law, any objection which it may now or hereafter have to the laying of the venue of any such proceeding brought in such a court and any claim that any such proceeding brought in such a court has been brought in an inconvenient forum. Process in any such suit, action or proceeding may be served on any party anywhere in the world, whether within or without the state of New York. Without limiting the foregoing, the parties agree that service of process upon such party at the address referred to in Section 11.02, together with written notice of such service to such party, shall be deemed effective service of process upon such party. Each of the parties hereto irrevocably waives any and all rights to trial by jury in any legal proceeding arising out of or relating to this Indenture, the Securities (including any guarantee thereof), or the transactions contemplated hereby and thereby.

*Section 11.12 Severability.*

In case any provision in this Indenture or in the Securities shall be invalid, illegal, or unenforceable, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

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*Section 11.13 Effect of Headings, Table of Contents, etc.*

The Article and Section headings herein and the table of contents are for convenience only and shall not affect the construction hereof.

*Section 11.14 Successors and Assigns.*

All covenants and agreements of the Company in this Indenture and the Securities shall bind its successors and assigns. All agreements of the Trustee in this Indenture shall bind its successor. All agreements of any Guarantor in this Indenture shall bind its successors, except as otherwise provided by the terms hereof.

*Section 11.15 No Interpretation of Other Agreements.*

This Indenture may not be used to interpret another indenture, loan, or debt agreement of the Company or any Subsidiary or of any Person. Any such indenture, loan, or debt agreement may not be used to interpret this Indenture.

[Signature Page Follows]

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IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed, all as of the date first above written.

**ISSUER:**

OPKO HEALTH, INC.

By: \_\_\_\_\_

Name:

Title:

**TRUSTEE:**

[ \_\_\_\_\_ ]

By: \_\_\_\_\_

Name:

Title:

**GUARANTORS:**

[ \_\_\_\_\_ ]

By: \_\_\_\_\_

Name:

Title:

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**Schedule 1**

GUARANTORS

## [Letterhead of Greenberg Traurig, LLP]

January 28, 2019

OPKO Health, Inc.  
4400 Biscayne Blvd.  
Miami, Florida 33137

**Re: Shelf Registration Statement on Form S-3**

Ladies and Gentlemen:

We have acted as special legal counsel to OPKO Health, Inc., a Delaware corporation (the "Company"), in connection with the preparation of the Company's Shelf Registration Statement on Form S-3 (the "Registration Statement"), being filed by the Company with the Securities and Exchange Commission (the "Commission") under the Securities Act of 1933, as amended (the "Act"), relating to an unspecified number or amount of: (i) shares of common stock, par value \$0.01 per share, of the Company ("Common Stock"); (ii) one or more classes or series of shares of preferred stock, par value \$0.01 per share, of the Company ("Preferred Stock"); (iii) one or more series of debt securities of the Company ("Debt Securities"); (iv) depository shares representing interests in Preferred Stock ("Depository Shares"); (v) warrants to purchase Common Stock, Preferred Stock, Debt Securities, Depository Shares, or any combination of those securities ("Warrants"); (vi) contracts to purchase Common Stock, Preferred Stock, Debt Securities, Depository Shares, Warrants, or any combination of those securities ("Purchase Contracts"); (vii) units consisting of Common Stock, Preferred Stock, Debt Securities, Depository Shares, and/or Warrants ("Units"); and (viii) the Common Stock, Preferred Stock, Debt Securities, or Depository Shares that may be issued upon the exercise of the Warrants or in connection with Purchase Contracts or Units, as applicable. The Common Stock, Preferred Stock, Debt Securities, Depository Shares, Warrants, Purchase Contracts and Units are hereinafter referred to collectively as the "Securities." The Securities may be issued and sold or delivered, from time to time, as set forth in the Registration Statement, any amendment thereto, the prospectus contained therein (the "Prospectus") and any supplements to the Prospectus (the "Prospectus Supplements" and each, a "Prospectus Supplement"), and pursuant to Rule 415 under the Act.

The Debt Securities will be issued pursuant to one or more indentures (each, an "Indenture"), each to be between the Company and U.S. Bank, National Association, or another financial institution identified therein as the trustee (the "Trustee").

The Depository Shares will be in the form of depository receipts and will be issued under one or more Deposit Agreements (each, a "Deposit Agreement"), each to be between the Company and a financial institution identified therein as the depository (each, a "Depository").

The Warrants will be issued under one or more Warrant Agreements (each, a "Warrant Agreement"), each to be between the Company and a counterparty or counterparties identified therein or a financial institution identified therein as the warrant agent (each, a "Warrant Counterparty").

---

The Purchase Contracts will be issued under one or more Purchase Contracts or Purchase Agreements (each, a “Purchase Contract”), each to be between the Company and a counterparty or counterparties identified therein (the “Purchase Contract Counterparty”).

The Units will be issued under one or more Unit Agreements (each, a “Unit Agreement”), each to be between the Company and a counterparty or counterparties identified therein (the “Unit Counterparty”).

With respect to the opinions set forth below, we have examined originals, certified copies, or copies otherwise identified to our satisfaction as being true copies, of the following:

- A. the Amended and Restated Certificate of Incorporation of the Company, as amended to date (the “Charter”);
- B. the Amended and Restated Bylaws of the Company, as amended to date;
- C. the Registration Statement;
- D. resolutions of the Board of Directors of the Company relating to the approval of the filing of the Registration Statement and the transactions in connection therewith; and
- E. such other documents and records and other certificates and instruments and matters of law as we have deemed necessary or appropriate to express the opinions set forth below, subject to the assumptions, limitations and qualifications stated herein.

In rendering the opinions set forth below, we have assumed the genuineness of all signatures, the legal capacity of natural persons, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as duplicates or certified or conformed copies and the authenticity of the originals or such latter documents. We have also assumed that (i) at the time of execution, authentication, issuance and delivery of any Debt Securities, the applicable Indenture will be the valid and legally binding obligation of the Trustee; (ii) at the time of execution, authentication, issuance and delivery of any Depositary Shares, the applicable Deposit Agreement will be the valid and legally binding obligation of the Depositary; (iii) at the time of execution, countersignature, issuance and delivery of any Warrants, the applicable Warrant Agreement will be the valid and legally binding obligation of each Warrant Counterparty thereto; (iv) at the time of execution, countersignature, issuance and delivery of any Purchase Contract, the applicable Purchase Contract will be the valid and legally binding obligation of each Purchase Contract Counterparty thereto; and (v) at the time of execution, countersignature, issuance and delivery of any Units, the applicable Unit Agreement will be the valid and legally binding obligation of each Unit Counterparty thereto.

As to matters of fact material to this opinion, we have relied, to the extent we deemed reasonably appropriate, upon representations or certificates of officers or directors of the Company, without independently verifying the accuracy of such documents, records and instruments.

In connection with the issuance of the Debt Securities, we have assumed further that (i) at the time of execution, authentication, issuance and delivery of any Debt Securities, the related Indenture will have been duly authorized, executed and delivered by the Company; and (ii) the execution, delivery and performance by the Company of the Indenture and the Debt Securities will not violate the laws of any jurisdiction (provided that as to the laws of the State of Delaware and the federal laws of the United States we make no such assumption).

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In connection with the issuance of Depositary Shares, we have assumed further that (i) at the time of execution, countersignature, issuance and delivery of any Depositary Shares, the related Deposit Agreement will have been duly authorized, executed and delivered by the Company; and (ii) the execution, delivery and performance by the Company of such Deposit Agreement and such Depositary Shares will not violate the laws of any jurisdiction (provided that as to the laws of the State of Delaware and the federal laws of the United States we make no such assumption).

In connection with the issuance of Warrants, we have assumed further that (i) at the time of execution, countersignature, issuance and delivery of any Warrants, the related Warrant Agreement will have been duly authorized, executed, and delivered by the Company; and (ii) the execution, delivery and performance by the Company of such Warrant Agreement and such Warrants will not violate the laws of any jurisdiction (provided that as to the laws of the State of Delaware and the federal laws of the United States we make no such assumption).

In connection with the issuance of Purchase Contracts, we have assumed further that (i) at the time of execution, countersignature, issuance and delivery of any Purchase Contracts, the related Purchase Contract will have been duly authorized, executed and delivered by the Company; and (ii) the execution, delivery and performance by the Company of such Purchase Contract and such Purchase Contracts will not violate the laws of any jurisdiction (provided that as to the laws of the State of Delaware and the federal laws of the United States we make no such assumption).

In connection with the issuance of the Units, we have assumed further that (i) at the time of execution, countersignature, issuance and delivery of any Units, the related Unit Agreement will have been duly authorized, executed and delivered by the Company; and (ii) the execution, delivery and performance by the Company of such Unit Agreement and such Units will not violate the laws of any jurisdiction (provided that as to the laws of the State of Delaware and the federal laws of the United States we make no such assumption).

We have further assumed that: (i) the Registration Statement and any amendments thereto will be effective under the Act, that no stop orders will have been issued by the Commission with respect to the Registration Statement and that the Registration Statement will comply with all applicable laws at the time the Securities are offered or issued as contemplated by the Registration Statement; (ii) an appropriate Prospectus Supplement, free writing prospectus or term sheet relating to the Securities offered thereby will have been prepared and filed with the Commission in compliance with the Act and will comply with all applicable laws at the time the Securities are offered or issued as contemplated by the Registration Statement; (iii) all Securities will be issued and sold in compliance with the applicable provisions of the Act, the Trust Indenture Act of 1939, as amended, and the securities or blue sky laws of various states and in the manner stated in the Registration Statement and the applicable Prospectus Supplement; (iv) any purchase, underwriting or similar agreement relating to Securities being offered will have been duly authorized, executed and delivered by the Company and the other parties thereto; and (v) in connection with the issuance of any Securities, an adequate number of authorized and unissued shares of Common Stock or Preferred Stock, as applicable, will be available for issuance under the Charter, as then in effect.

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Based solely upon and subject to the foregoing, and subject to the assumptions, limitations, and qualifications stated herein, we are of the opinion that:

(1) With respect to the Common Stock, assuming (i) the taking by the Board of Directors of the Company of all necessary corporate action to authorize and approve the issuance of the Common Stock; and (ii) the due issuance and delivery of the Common Stock upon payment therefor in accordance with the applicable definitive purchase, underwriting, or similar agreement, if applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company and otherwise in accordance with the provisions of such agreement, the Common Stock will be validly issued, fully paid and nonassessable.

(2) With respect to the Preferred Stock, assuming (i) the taking by the Board of Directors of the Company of all necessary corporate action to authorize and approve the issuance and terms of the Preferred Stock and the terms of the offering thereof; (ii) the due filing of the Certificate of Designation with the Delaware Secretary of State setting forth the terms of such Preferred Stock; and (iii) the due issuance and delivery of the Preferred Stock upon payment therefor in accordance with the applicable definitive purchase, underwriting, or similar agreement, if applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company and otherwise in accordance with the provisions of such agreement, the Preferred Stock will be validly issued, fully paid, and nonassessable.

(3) With respect to the Debt Securities, assuming (i) the taking of all necessary corporate action to approve the issuance and terms of the Debt Securities, the terms of the offering thereof and related matters by the Board of Directors of the Company; (ii) the due execution, authentication, issuance and delivery of such Debt Securities upon payment of the consideration therefor provided for in a definitive purchase, underwriting, or similar agreement, as applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company, and otherwise in accordance with the provisions of the applicable Indenture and such definitive purchase, underwriting, or similar agreement, as applicable; and (iii) the conditions in the applicable Indenture have been satisfied, such Debt Securities will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their terms.

(4) With respect to the Depositary Shares, assuming (i) the taking of all necessary corporate action to authorize and approve the issuance of the Depositary Shares, the final terms establishing the depositary receipts representing the Depositary Shares (the "Depositary Receipts") in the form contemplated and authorized by a Deposit Agreement and related matters by the Board of Directors of the Company; (ii) the due filing of the Certificate of Designation with the Delaware Secretary of State setting forth the terms of the Preferred Stock with respect to which Depositary Shares are issued; (iii) the due execution, authentication, issuance and delivery of the Depositary Shares, upon payment of the consideration therefor provided for in a definitive purchase, underwriting, or similar agreement, as applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company, and otherwise in accordance with the provisions of the applicable Deposit Agreement and such definitive purchase, underwriting, or similar agreement, as applicable; and (iv) the conditions in the applicable Deposit Agreement have been satisfied, the Depositary Shares will be validly issued and will entitle the holders thereof to the rights specified in the Depositary Receipts and such Deposit Agreement for such Depositary Receipts.

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(5) With respect to the Warrants, assuming (i) the taking of all necessary corporate action by the Board of Directors of the Company to approve the execution and delivery of a Warrant Agreement and issuance of the Warrants; (ii) the due execution, countersignature, issuance and delivery of such Warrants upon payment of the consideration therefor provided for in a definitive purchase, underwriting, or similar agreement, as applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company, and otherwise in accordance with the provisions of the applicable Warrant Agreement and such definitive purchase, underwriting, or similar agreement, as applicable; and (iii) the conditions in the applicable Warrant Agreement have been satisfied, such Warrants will constitute valid and legally binding obligations of the Company enforceable against the Company in accordance with their terms.

(6) With respect to the Purchase Contracts, assuming (i) the taking of all necessary corporate action by the Board of Directors of the Company to approve the execution and delivery of a Purchase Contract; (ii) the due execution, countersignature, issuance and delivery of such Purchase Contracts upon payment of the consideration therefor provided for in a definitive purchase, underwriting, or similar agreement, as applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company, and otherwise in accordance with the provisions of the applicable Purchase Contract and such definitive purchase, underwriting, or similar agreement, as applicable; (iii) the conditions in the applicable Purchase Contract have been satisfied; (iv) if such Purchase Contracts relate to the issuance and sale of Common Stock, the actions described in paragraph 1 above have been taken; (v) if such Purchase Contracts relate to the issuance and sale of Preferred Stock, the actions described in paragraph 2 above have been taken; (vi) if such Purchase Contracts relate to the issuance and sale of Debt Securities, the actions described in paragraph 3 above have been taken; (vii) if such Purchase Contracts relate to the issuance and sale of Depositary Shares, the actions described in paragraph 4 above have been taken; and (viii) if such Purchase Contracts relate to the issuance and sale of Warrants, the actions described in paragraph 5 above have been taken, such Purchase Contracts will constitute valid and legally binding obligations of the Company enforceable against the Company in accordance with their terms.

(7) With respect to the Units, assuming (i) the taking of all necessary corporate action by the Board of Directors of the Company to approve the execution and delivery of a Unit Agreement and issuance of the Units; (ii) the due execution, countersignature, issuance and delivery of the Units upon payment of the consideration therefor provided for in a definitive purchase, underwriting, or similar agreement, as applicable, or the Prospectus or a Prospectus Supplement approved by the Board of Directors of the Company, and otherwise in accordance with the provisions of the applicable Unit Agreement and such definitive purchase, underwriting, or similar agreement, as applicable; (iii) the conditions in the applicable Unit Agreement have been satisfied; (iv) if such Unit Agreements relate to the issuance and sale of Common Stock, the actions described in paragraph 1 above have been taken; (v) if such Unit Agreements relate to the issuance and sale of Preferred Stock, the actions described in paragraph 2 above have been taken; (vi) if such Unit Agreements relate to the issuance and sale of Debt Securities, the actions described in paragraph 3 above have been taken; (vii) if such Unit Agreements relate to the issuance and sale of Depositary Shares, the actions described in paragraph 4 above have been taken; and (viii) if such Unit Agreements relate to the issuance and sale of Warrants, the actions described in paragraph 5 above have been taken, such Units will constitute valid and legally binding obligations of the Company enforceable against the Company in accordance with their terms.

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The opinions set forth in paragraphs 3 through 7 above are subject to (i) the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium, and other similar laws now or hereafter in effect relating to or affecting creditors' rights generally; (ii) the effects of general equitable principles, including, without limitation, concepts of materiality, reasonableness, good faith and fair dealing, and the possible unavailability of specific performance or injunctive relief, whether enforcement is considered in a proceeding in equity or law; (iii) the discretion of the court before which any proceeding for enforcement may be brought; and (iv) the unenforceability under certain circumstances under law or court decisions of provisions providing for the indemnification of or contribution to a party with respect to a liability where such indemnification or contribution is contrary to public policy.

This opinion letter is limited to the matters stated herein, and no opinions may be implied or inferred beyond the matters expressly stated herein. We assume no obligation to supplement this opinion letter if any applicable law changes after the date hereof or if we become aware of any fact that might change the opinions expressed herein after the date hereof.

We do not express any opinion herein concerning any law other than the laws of the State of Delaware and the federal laws of the United States.

We hereby expressly consent to (i) any reference to the name of our firm in the Registration Statement; and (ii) the inclusion of this opinion letter as an exhibit to the Registration Statement. In giving this consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the Act.

Very truly yours,

/s/ Greenberg Traurig, LLP

Greenberg Traurig, LLP

Consent of Independent Registered Certified Public Accounting Firm

We consent to the reference to our firm under the caption "Experts" in the Registration Statement (Form S-3) of OPKO Health, Inc. for the registration of common stock, preferred stock, debt securities, depository shares, warrants, purchase contracts and units and to the incorporation by reference therein of our report dated March 1, 2018 (except for Notes 1, 2, 14 and 15, as to which the date is January 28, 2019), with respect to the consolidated financial statements of OPKO Health, Inc. and subsidiaries, and our report dated March 1, 2018, with respect to the effectiveness of internal control over financial reporting of OPKO Health, Inc. and subsidiaries, included in the Current Report on Form 8-K of OPKO Health, Inc. dated January 28, 2019, filed with the Securities and Exchange Commission.

/S/ Ernst & Young LLP

Miami, Florida  
January 28, 2019

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

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**FORM T-1**

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**STATEMENT OF ELIGIBILITY  
UNDER THE TRUST INDENTURE ACT OF 1939  
OF A CORPORATION DESIGNATED TO ACT AS TRUSTEE**

Check if an Application to Determine Eligibility of a Trustee Pursuant to Section 305(b)(2)

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**U.S. BANK NATIONAL ASSOCIATION**

(Exact name of Trustee as specified in its charter)

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**31-0841368**  
I.R.S. Employer Identification No.

**800 Nicollet Mall**  
**Minneapolis, Minnesota**  
(Address of principal executive offices)

**55402**  
(Zip Code)

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**George Hogan**  
**U.S. Bank National Association**  
**Two Midtown Plaza**  
**1349 West Peachtree Street N.W., Suite 1050**  
**Atlanta, Georgia 30309**  
**(404) 898-8832**  
(Name, address and telephone number of agent for service)

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**OPKO Health, Inc.**  
(Exact name of obligor as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**75-2402409**  
(I.R.S. Employer  
Identification No.)

**4400 Biscayne Blvd.**  
**Miami, FL 33137**  
(Address of Principal Executive Offices)

**33137**  
(Zip Code)

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**Debt Securities**  
(Title of the Indenture Securities)

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**FORM T-1**

**Item 1. GENERAL INFORMATION.**

Furnish the following information as to the Trustee.

- a) Name and address of each examining or supervising authority to which it is subject.

Comptroller of the Currency  
Washington, D.C.

- b) Whether it is authorized to exercise corporate trust powers.

Yes

**Item 2. AFFILIATIONS WITH OBLIGOR.**

If the obligor is an affiliate of the Trustee, describe each such affiliation.

None

**Items 3-14.** Items 3-14 are not applicable because to the best of the Trustee's knowledge, the obligor is not in default under any Indenture for which the Trustee acts as Trustee.

**Item 15.** Item 15 is not applicable because the Trustee is not a foreign trustee.

**Item 16. LIST OF EXHIBITS.**

List below all exhibits filed as a part of this statement of eligibility and qualification.

1. A copy of the Articles of Association of the Trustee.\*
2. A copy of the certificate of authority of the Trustee to commence business, attached as Exhibit 2.
3. A copy of the certificate of authority of the Trustee to exercise corporate trust powers, attached as Exhibit 3.
4. A copy of the existing bylaws of the Trustee.\*\*
5. A copy of each Indenture referred to in Item 4, if the obligor is in default. Not applicable.
6. The consent of the Trustee required by Section 321(b) of the Trust Indenture Act of 1939, attached as Exhibit 6.
7. Report of Condition of the Trustee as of September 30, 2018 published pursuant to law or the requirements of its supervising or examining authority, attached as Exhibit 7.

\* Incorporated by reference to Exhibit 25.1 to Amendment No. 2 to registration statement on S-4, Registration Number 333-128217 filed on November 15, 2005.

\*\* Incorporated by reference to Exhibit 25.1 to registration statement on S-3ASR, Registration Number 333-199863 filed on November 5, 2014.

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**SIGNATURE**

Pursuant to the requirements of the Trust Indenture Act of 1939, as amended, the Trustee, U.S. BANK NATIONAL ASSOCIATION, a national banking association organized and existing under the laws of the United States of America, has duly caused this statement of eligibility and qualification to be signed on its behalf by the undersigned, thereunto duly authorized, all in the City of Atlanta, Georgia on the 28th day of January, 2019.

By: /s/ GEORGE HOGAN

George Hogan  
Vice President



**CERTIFICATE OF CORPORATE EXISTENCE**

I, Joseph Otting, Comptroller of the Currency, do hereby certify that:

1. The Comptroller of the Currency, pursuant to Revised Statutes 324, et seq, as amended, and 12 USC 1, et seq, as amended, has possession, custody, and control of all records pertaining to the chartering, regulation, and supervision of all national banking associations.
2. "U.S. Bank National Association," Cincinnati, Ohio (Charter No. 24), is a national banking association formed under the laws of the United States and is authorized thereunder to transact the business of banking on the date of this certificate.

IN TESTIMONY WHEREOF, today, August 1, 2018, I have hereunto subscribed my name and caused my seal of office to be affixed to these presents at the U.S. Department of the Treasury, in the City of Washington, District of Columbia

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Comptroller of the Currency





**CERTIFICATION OF FIDUCIARY POWERS**

I, Joseph Otting, Comptroller of the Currency, do hereby certify that:

1. The Office of the Comptroller of the Currency, pursuant to Revised Statutes 324, et seq, as amended, and 12 USC 1, et seq, as amended, has possession, custody, and control of all records pertaining to the chartering, regulation, and supervision of all national banking associations.

2. "U.S. Bank National Association," Cincinnati, Ohio (Charter No. 24), was granted, under the hand and seal of the Comptroller, the right to act in all fiduciary capacities authorized under the provisions of the Act of Congress approved September 28, 1962, 76 Stat. 668, 12 USC 92a, and that the authority so granted remains in full force and effect on the date of this certificate.

IN TESTIMONY WHEREOF, today, May 8, 2018, I have hereunto subscribed my name and caused my seal of office to be affixed to these presents at the U.S. Department of the Treasury, in the City of Washington, District of Columbia.

\_\_\_\_\_  
Comptroller of the Currency



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**Exhibit 6**

**CONSENT**

In accordance with Section 321(b) of the Trust Indenture Act of 1939, U.S. BANK NATIONAL ASSOCIATION hereby consents that reports of examination of the undersigned by Federal, State, Territorial or District authorities may be furnished by such authorities to the Securities and Exchange Commission upon its request therefor.

Dated: January 28, 2019

**U.S. BANK NATIONAL ASSOCIATION**

By: /s/ GEORGE HOGAN

George Hogan  
Vice President

Exhibit 7

**U.S. Bank National Association  
Statement of Financial Condition  
As of 9/30/2018**

(\$000's)

	<u>9/30/2018</u>
<b>Assets</b>	
Cash and Balances Due From Depository Institutions	\$ 20,003,448
Securities	110,034,104
Federal Funds	31,434
Loans & Lease Financing Receivables	281,653,128
Fixed Assets	3,819,093
Intangible Assets	13,233,498
Other Assets	27,236,326
<b>Total Assets</b>	<b>\$456,011,031</b>
<b>Liabilities</b>	
Deposits	\$342,906,860
Fed Funds	6,964,321
Treasury Demand Notes	0
Trading Liabilities	977,478
Other Borrowed Money	38,881,574
Acceptances	0
Subordinated Notes and Debentures	3,800,000
Other Liabilities	14,600,333
<b>Total Liabilities</b>	<b>\$408,130,566</b>
<b>Equity</b>	
Common and Preferred Stock	18,200
Surplus	14,266,915
Undivided Profits	32,793,053
Minority Interest in Subsidiaries	802,297
<b>Total Equity Capital</b>	<b>\$ 47,880,465</b>
<b>Total Liabilities and Equity Capital</b>	<b>\$456,011,031</b>