

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

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

Nine Energy Service, Inc.*
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

80-0759121
(I.R.S. Employer
Identification Number)

**2001 Kirby Drive, Suite 200
Houston, Texas 77019
(281) 730-5100**

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

**Theodore R. Moore
Senior Vice President and General Counsel
2001 Kirby Drive, Suite 200
Houston, Texas 77019
Telephone: (281) 730-5100**

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

Copies to:

**Matthew R. Pacey, P.C.
Lanchi D. Huynh
Kirkland & Ellis LLP
609 Main Street, Suite 4700
Houston, Texas 77002
(713) 836-3600**

**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	"> <input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

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 Securities Act.

* Includes certain subsidiaries of Nine Energy Service, Inc. identified below. Each additional registrant is a wholly owned direct or indirect subsidiary of Nine Energy Service, Inc. The address, including zip code, of each of the additional registrants' principal executive offices is c/o Nine Energy Service, Inc., 2001 Kirby Drive, Suite 200, Houston, Texas 77019, and the telephone number including area code, for each is (281) 730-5100. The primary standard industrial classification code number of each of the additional registrants is 1389. Each of the subsidiary guarantor registrants has the same agent for service as Nine Energy Service, Inc.

Table of Subsidiary Guarantor Registrants

Exact Name as Specified in Its charter	State or Other Jurisdiction of Incorporation or Organization	I.R.S. Employer Identification Number
CDK Perforating, LLC	Texas	20-8164952
Crest Pumping Technologies, LLC	Delaware	45-3915335
Magnum Oil Tools GP, LLC	Texas	45-3528730
Magnum Oil Tools International, LTD	Texas	20-2727553
MOTI Holdco, LLC	Delaware	83-2167005
Nine Downhole Technologies, LLC	Delaware	47-4947368
Nine Energy Canada Inc.	Alberta, Canada	N/A
Nine Energy Service, LLC	Delaware	37-1740603
RedZone Coil Tubing, LLC	Texas	45-3745195

The registrants hereby amend this registration statement on such date or dates as may be necessary to delay its effective date until the registrants shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until this registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any jurisdiction where an offer or sale is not permitted.

Subject to Completion, dated December 23, 2022

Prospectus



Nine Energy Service, Inc.

**\$350,000,000
Common Stock
Preferred Stock
Debt Securities
Guarantees of Debt Securities
Warrants
Rights
Units**

We may offer and sell, from time to time, in one or more series or classes, separately or together, and in amounts, at prices and on terms to be set forth in one or more supplements to this prospectus, the securities described in this prospectus (the “securities”). The aggregate initial offering price of all securities sold by us under this prospectus will not exceed \$350,000,000. We or one or more of our subsidiaries may unconditionally guarantee any series of debt securities offered by this prospectus, if, and to the extent, identified in the related prospectus supplement.

The specific terms of the securities will be set forth in the applicable prospectus supplement and will include, as applicable: (i) in the case of our common stock, any public offering price; (ii) in the case of our preferred stock, the specific designation and any dividend, liquidation, redemption, conversion, voting and other rights, and any public offering price; (iii) in the case of our debt securities, the principal amount, maturity date, interest rate, seniority and any public offering price, (iv) in the case of warrants, the duration, offering price, exercise price and detachability; (v) in the case of rights, the number being issued, the exercise price and the expiration date; and (vi) in the case of our units, the title of the series of units, the type and terms of securities comprising the units, and any public offering price. The applicable prospectus supplement will also contain information, where applicable, about certain U.S. federal income tax consequences relating to, and any listing on a securities exchange of, the securities covered by such prospectus supplement. It is important that you read both this prospectus and the applicable prospectus supplement before you invest.

We may offer the securities directly, through agents, or to or through underwriters. The prospectus supplement will describe the terms of the plan of distribution and set forth the names of any underwriters involved in the sale of the securities. See “Plan of Distribution” for more information on this topic. No securities may be sold without delivery of a prospectus supplement describing the method and terms of the offering of those securities.

Our common stock is listed on the New York Stock Exchange (“NYSE”) under the symbol “NINE.”

We are an “emerging growth company” as defined in the Jumpstart Our Business Startups Act of 2012 and have elected to comply with certain reduced public company reporting requirements.

Investing in our securities involves risks that are described in the “[Risk Factors](#)” section beginning on page 2 of this prospectus and in the documents incorporated by reference herein.

Neither the Securities and Exchange Commission (the “SEC”) 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 .

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ABOUT THIS PROSPECTUS

This prospectus is part of a shelf registration statement. Under this shelf registration statement, we may sell, from time to time and in one or more offerings, up to \$350,000,000 of any combination of the securities described in this prospectus. This prospectus provides you with a general description of our securities that we may offer and is not meant to be a complete description of each of the securities.

You should read carefully the entirety of this prospectus and any applicable prospectus supplement, as well as the documents incorporated by reference in this prospectus and any applicable prospectus supplement, before making an investment decision. You should also read and consider the information in the documents we have referred you to in the sections of this prospectus entitled “Incorporation of Certain Information by Reference” and “Where You Can Find More Information.”

You should rely only on the information provided or incorporated by reference in this prospectus or any applicable prospectus supplement. We have not authorized anyone to provide you with different or additional information.

You should not assume that the information appearing in this prospectus or any applicable prospectus supplement or the documents incorporated by reference herein or therein is accurate as of any date other than their respective dates. Our business, financial condition, results of operations and prospects may have changed since those dates.

We are not making an offer to sell these securities in any jurisdiction where the offer or sale of these securities is not permitted.

In this prospectus, unless otherwise specified or the context requires otherwise, we use the terms “Nine,” the “Company,” “we,” “us” and “our” to refer to Nine Energy Service, Inc. and its consolidated subsidiaries.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus, any accompanying prospectus supplement and the documents incorporated by reference may contain “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), that are subject to a number of risks and uncertainties, many of which are beyond our control. All statements other than statements of historical fact, including those regarding our strategy, future operations, financial position, estimated revenues and losses, projected costs, prospects, plans and objectives of management, are forward-looking statements. Forward-looking statements can be identified by terms such as “could,” “believe,” “anticipate,” “intend,” “estimate,” “expect,” “may,” “continue,” “predict,” “potential,” “project” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words.

All forward-looking statements speak only as of the date of the document in which they are contained; we disclaim any obligation to update these statements unless required by law, and we caution you not to place undue reliance on them. Although we believe that our plans, intentions and expectations reflected in or suggested by these forward-looking statements are reasonable, we can give no assurance that these plans, intentions or expectations will be achieved. We disclose important factors that could cause our actual results to differ materially from our expectations under “Risk Factors” in our most recent Annual Report on Form 10-K and subsequent Quarterly Reports on Form 10-Q. These factors, some of which are beyond our control, include the following:

- Our business is cyclical and depends on capital spending and well completions by the onshore oil and natural gas industry, and the level of such activity is volatile and strongly influenced by current and expected oil and natural gas prices. If the prices of oil and natural gas decline, our business, financial condition, results of operations, cash flows and prospects may be materially and adversely affected. Significant factors that are likely to affect near-term commodity prices include actions by the members of the Organization of the Petroleum Exporting Countries and other oil exporting nations; U.S. energy, monetary and trade policies; the pace of economic growth in the U.S. and throughout the world; and geopolitical and economic developments in the U.S. and globally, including conflicts, instability, acts of war or terrorism;
- Our substantial debt obligations could have significant adverse consequences on our business and future prospects, and restrictions in our debt agreements could limit our growth and our ability to engage in certain activities. In addition, in order to meet our debt obligations, we may engage in refinancing or restructuring of our indebtedness by seeking additional sources of capital, selling assets or a combination thereof;
- Inflation may adversely affect our financial position and operating results; in particular, cost inflation with labor or materials could offset any price increases for our products and services;
- If we are unable to attract and retain key employees, technical personnel and other skilled and qualified workers, our business, financial condition or results of operations could suffer;
- We may be unable to maintain existing prices or implement price increases on our products and services, and intense competition in the markets for our dissolvable plug products may lead to pricing pressures, reduced sales or reduced market share;
- Our current and potential competitors may have longer operating histories, significantly greater financial or technical resources, and greater name recognition than we do;
- Our operations are subject to conditions inherent in the oilfield services industry, such as equipment defects, liabilities arising from accidents or damage involving our fleet of trucks or other equipment, explosions and uncontrollable flows of gas or well fluids, and loss of well control;

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- If we are unable to accurately predict customer demand, including that of our international customers, or if customers cancel their orders on short notice, we may hold excess or obsolete inventory, which would reduce gross margins. Conversely, insufficient inventory would result in lost revenue opportunities and potentially loss of market share and damaged customer relationships;
- We are dependent on customers in a single industry. The loss of one or more significant customers, including certain of our customers outside of the U.S., could adversely affect our financial condition, prospects and results of operations. Sales to customers outside of the U.S. also exposes us to risks inherent in doing business internationally, including political, social and economic instability and disruptions, export controls, economic sanctions, embargoes or trade restrictions and fluctuations in foreign currency exchange rates;
- We may be subject to claims for personal injury and property damage or other litigation, which could materially adversely affect our financial condition, prospects and results of operations;
- We are subject to federal, state and local laws and regulations regarding issues of health, safety and protection of the environment. Under these laws and regulations, we may become liable for penalties, damages or costs of remediation or other corrective measures. Any changes in laws or government regulations could increase our costs of doing business;
- Our success may be affected by the use and protection of our proprietary technology as well as our ability to enter into license agreements. There are limitations to our intellectual property rights and, thus, our right to exclude others from the use of our proprietary technology;
- Our success may be affected by our ability to implement new technologies and services;
- Significant ownership of our common stock by certain stockholders could adversely affect our other stockholders;
- Our future financial condition and results of operations could be adversely impacted by asset impairment charges;
- Increased attention to climate change and conservation measures may reduce oil and natural gas demand, and we face various risks associated with increased activism and related litigation against oil and natural gas exploration and development activities;
- Seasonal and adverse weather conditions adversely affect demand for our products and services; and
- Our ability to maintain compliance with the NYSE continued listing requirements and avoid the delisting of our common stock.

Additional risks or uncertainties that are not currently known to us that we currently deem to be immaterial, or that could apply to any company could also materially adversely affect our business, financial condition or future results.

These cautionary statements qualify all forward-looking statements attributable to us or persons acting on our behalf.

SUMMARY

Nine Energy Service, Inc. is a Delaware corporation that was formed in February 2013 through a combination of three service companies owned by SCF Partners, L.P. or its affiliates. Nine is a leading completion services provider that targets unconventional oil and gas resource development within North America and abroad. We partner with our exploration and production customers across all major onshore basins in the U.S., as well as within Canada and abroad, to design and deploy downhole solutions and technology to prepare horizontal, multistage wells for production. We focus on providing our customers with cost-effective and comprehensive completion solutions designed to maximize their production levels and operating efficiencies. We believe our success is a product of our culture, which is driven by our intense focus on performance and wellsite execution as well as our commitment to forward-leaning technologies that aid us in the development of smarter, customized applications that drive efficiencies.

Corporate Information

Our principal executive offices are located at 2001 Kirby Drive, Suite 200, Houston, Texas 77019, and our telephone number at that location is (281) 730-5100. Our website can be found at www.nineenergyservice.com. The information contained on our website or that can be accessed through our website is not part of this prospectus and you should not rely on that information when making a decision whether to invest in our securities.

RISK FACTORS

Investing in our securities involves a high degree of risk. You should carefully consider the risks and uncertainties incorporated by reference to our most recent Annual Report on Form 10-K and our subsequent quarterly reports on Form 10-Q. You should also consider any risks and uncertainties described under the caption “Risk Factors” in any applicable prospectus supplement and in any document that we file with the SEC after the date of this prospectus that is incorporated by reference herein. Our business, financial condition, results of operations or prospects could be materially adversely affected by any of these risks. The market or trading price of our securities could decline due to any of these risks, and you may lose all or part of your investment. Please note that additional risks not presently foreseen by us or that we currently deem immaterial may also impair our business and operations.

THE SUBSIDIARY GUARANTORS

Certain of our subsidiaries, which we refer to as the “Subsidiary Guarantors” in this prospectus, may fully and unconditionally guarantee our payment obligations under any series of debt securities offered by this prospectus. If we issue a series of debt securities guaranteed by any of our subsidiaries, we will identify the specific subsidiary or subsidiaries and describe the particular terms of any guarantees of such series in the applicable prospectus supplement.

Additional information concerning our subsidiaries and us is included in reports and other documents incorporated by reference in this prospectus. See “Where You Can Find More Information” and “Incorporation of Certain Information by Reference.”

USE OF PROCEEDS

Unless otherwise specified in the applicable prospectus supplement, we intend to use the net proceeds from the sale of the securities for general corporate purposes, including repaying indebtedness, making capital expenditures, funding working capital, and funding future acquisitions and investments. Further details relating to the use of the net proceeds will be set forth in the applicable prospectus supplement.

PLAN OF DISTRIBUTION

We may sell the securities to one or more underwriters for public offering and sale by them or may sell the securities to investors directly or through agents. Any underwriter or agent involved in the offer and sale of the securities will be named in the applicable prospectus supplement. Underwriters and agents in any distribution contemplated hereby may from time to time be designated on terms to be set forth in the applicable prospectus supplement.

Underwriters or agents could make sales in privately negotiated transactions and any other method permitted by law. Securities may be sold in one or more of the following transactions:

- block transactions (which may involve crosses) in which a broker-dealer may sell all or a portion of the securities as agent but may position and resell all or a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its own account pursuant to a prospectus supplement;
- a special offering, an exchange distribution or a secondary distribution in accordance with applicable NYSE or other stock exchange rules;
- ordinary brokerage transactions and transactions in which a broker-dealer solicits purchasers;
- “at the market” offerings or sales “at the market,” within the meaning of Rule 415(a)(4) of the Securities Act, to or through a market maker or into an existing trading market on an exchange or otherwise;
- sales in other ways not involving market makers or established trading markets, including direct sales to purchasers; or
- through a combination of any of these methods.

Underwriters or agents may offer and sell the securities at a fixed price or prices, which may be changed in relation to the prevailing market prices at the time of sale or at negotiated prices. We also may, from time to time, authorize underwriters acting as our agents to offer and sell the securities upon the terms and conditions as are set forth in the applicable prospectus supplement. In connection with the sale of securities, underwriters or agents may be deemed to have received compensation from us in the form of underwriting discounts or commissions and may also receive commissions from purchasers of securities for whom they may act as agent. Broker-dealers may also receive compensation from purchasers of these securities which is not expected to exceed those customary in the types of transactions involved. Underwriters or agents may sell securities to or through dealers, and the dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters or the agents and/or commissions from the purchasers for whom they may act as agent.

Any underwriting compensation paid by us to underwriters or agents in connection with the offering of securities, and any discounts, concessions or commissions allowed by underwriters or agents to participating dealers, will be set forth in the applicable prospectus supplement. Underwriters, dealers and agents participating in the distribution of the securities may be deemed to be underwriters, and any discounts and commissions received by them and any profit realized by them on resale of the securities may be deemed to be underwriting discounts and commissions, under the Securities Act.

We may have agreements with the underwriters, dealers, agents and remarketing firms to indemnify them against certain civil liabilities, including liabilities under the Securities Act, or to contribute with respect to payments that the underwriters, dealers, agents or remarketing firms may be required to make. Underwriters, dealers, agents and remarketing firms may be customers of, engage in transactions with or perform services for us in the ordinary course of their businesses.

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Any securities issued hereunder (other than common stock) will be new issues of securities with no established trading market. Any underwriters or agents to or through whom such securities are sold by us for public offering and sale may make a market in such securities, but such underwriters or agents will not be obligated to do so and may discontinue any market making at any time without notice. We cannot assure you as to the liquidity of the trading market for any such securities.

The underwriters and the agents and their respective affiliates may be customers of, engage in transactions with and perform services for us in the ordinary course of business.

DESCRIPTION OF COMMON STOCK

The following summary description of our common stock does not purport to be complete and is subject to and qualified in its entirety by reference to the Delaware General Corporation Law (the “DGCL”) and to our certificate of incorporation and bylaws. For a more complete understanding of our common stock, we encourage you to read carefully this entire prospectus, as well as our certificate of incorporation and our bylaws, copies of which are incorporated by reference as exhibits to the registration statement of which this prospectus is a part.

General

We are currently authorized to issue up to 120,000,000 shares of our common stock. Except as provided by law or in a preferred stock designation, holders of our common stock are entitled to one vote for each share held of record on all matters submitted to a vote of the stockholders. Because holders of our common stock have the exclusive right to vote for the election of directors and do not have cumulative voting rights, the holders of a majority of the shares of our common stock can elect all of the members of the board of directors standing for election, subject to the rights, powers and preferences of any outstanding series of preferred stock.

Subject to the rights and preferences of any preferred stock that we may issue in the future, the holders of our common stock are entitled to receive dividends as may be declared by our board of directors and all of our assets available for distribution to holders of our common stock in liquidation, pro rata, based on the number of shares held. There are no redemption, conversion or sinking fund provisions applicable to our common stock.

Subject to the provisions of our certificate of incorporation and legal limitations, our board of directors has the authority, without further vote or action by our stockholders, to issue up to 20,000,000 shares of preferred stock in one or more series and to fix the rights, preferences, privileges and restrictions of our preferred stock, including provisions related to dividends, conversion, voting, redemption, liquidation and the number of shares constituting the series or the designation of that series, which may be superior to those of our common stock. As of the date of this prospectus, there are no shares of preferred stock outstanding. The issuance of shares of preferred stock by our board of directors as described above may adversely affect the rights of the holders of our common stock. For example, preferred stock may rank prior to our common stock as to dividend rights, liquidation preference or both, may have full or limited voting rights and may be convertible into shares of our common stock.

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

Some provisions of the DGCL, our certificate of incorporation and our bylaws could make certain change of control transactions more difficult, including acquisitions of us by means of a tender offer, a proxy contest or otherwise, as well as removal of our incumbent officers and directors. These provisions may also have the effect of preventing changes in our management. It is possible that these provisions could make it more difficult to accomplish or could deter transactions that stockholders may otherwise consider to be in their best interest or in our best interests, including transactions that might result in a premium over the market price for our shares. Therefore, these provisions could adversely affect the price of our common stock.

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

Opt Out of Section 203 of the DGCL

In our certificate of incorporation, we have elected not to be subject to the provisions of Section 203 of the DGCL regulating corporate takeovers until the date on which the SCF Group (as defined therein) is no longer the

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holder of at least 15% of our outstanding common stock. On and after such date, we will be subject to the provisions of Section 203 of the DGCL. In general, those provisions prohibit a Delaware corporation, including those whose securities are listed for trading on the NYSE, from engaging in any business combination with any interested stockholder for a period of three years following the date that the stockholder became an interested stockholder, unless: (a) the transaction is approved by the board of directors before the date the interested stockholder attained that status, (b) upon consummation of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, or (c) on or after the date the interested stockholder attained that status, the business combination is approved by the board of directors and authorized at a meeting of stockholders by at least two-thirds of the outstanding voting stock that is not owned by the interested stockholder.

Our Certificate of Incorporation and Bylaws

Among other things, our certificate of incorporation and/or bylaws:

- establish advance notice procedures with regard to stockholder proposals relating to the nomination of candidates for election as directors or new business to be brought before meetings of our stockholders. These procedures provide that notice of stockholder proposals must be timely given in writing to our corporate secretary prior to the meeting at which the action is to be taken. Generally, to be timely, notice must be received at our principal executive offices not less than 90 days nor more than 120 days prior to the first anniversary date of the annual meeting for the preceding year's annual meeting. Our bylaws specify the requirements as to form and content of all stockholders' notices;
- authorize our board of directors to issue undesignated preferred stock. This ability makes it possible for our board of directors to issue, without stockholder approval, preferred stock with voting or other rights or preferences that could impede the success of any attempt to change control of us;
- provide that the authorized number of directors may be changed only by resolution of the board of directors;
- provide that all vacancies, including newly created directorships, may, except as otherwise required by law or, if applicable, the rights of holders of a series of preferred stock, be filled by the affirmative vote of a majority of the total number of directors then in office, even if less than a quorum;
- provide that any action required or permitted to be taken by the stockholders must be effected at a duly called annual or special meeting of stockholders and may not be effected by any consent in writing in lieu of a meeting of such stockholders, subject to the rights of the holders of any series of preferred stock with respect to such series;
- provide that special meetings of our stockholders may only be called by a majority of the total number of directors;
- provide that our board of directors be divided into three classes of directors, with each class as nearly equal in number as possible, serving staggered three-year terms, other than directors who may be elected by holders of preferred stock, if any;
- provide that we renounce any interest or expectancy in any business opportunity (existing and future) that involves any aspect of the energy business or industry and that may be from time to time presented to SCF or any director or officer of the corporation who is also an employee, partner, member, manager, officer or director of any SCF entity, and that such persons have no obligation to offer us those investments or opportunities;
- provide that our certificate of incorporation and bylaws may be amended by the affirmative vote of the holders of at least two-thirds of our then outstanding common stock (except with respect to provisions relating to the renouncement business opportunities, which require approval of at least 80% of the voting power of the outstanding stock entitled to vote thereon);

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- a member of our board of directors may only be removed for cause and only by the affirmative vote of the holders of at least two-thirds of our then outstanding common stock; and
- unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will, to the fullest extent permitted by applicable law, be the sole and exclusive forum for (i) any derivative action or proceeding brought on our behalf, (ii) any action asserting a claim of breach of a fiduciary duty owed by any of our directors, officers, employees or agents to us or our stockholders, (iii) any action asserting a claim against us or any director or officer or other employee of ours arising pursuant to any provision of the DGCL, our certificate of incorporation or our bylaws, or (iv) any action asserting a claim against us or any director or officer or other employee of ours that is governed by the internal affairs doctrine, in each such case subject to such Court of Chancery having personal jurisdiction over the indispensable parties named as defendants therein. Although we believe these provisions benefit us by providing increased consistency in the application of Delaware law for the specified types of actions and proceedings, the provisions may have the effect of discouraging lawsuits against our directors, officers, employees and agents.

Listing

Our common stock is listed on the NYSE under the symbol “NINE.”

DESCRIPTION OF PREFERRED STOCK

General

Our certificate of incorporation provides that we may issue up to 20,000,000 shares of preferred stock, \$0.01 par value per share. As of the date of this prospectus, we had no outstanding shares of preferred stock.

Preferred stock may be issued independently or together with any other securities and may be attached to or separate from other securities. The following description of the preferred stock sets forth general terms and provisions of the preferred stock to which any prospectus supplement may relate. The statements below describing the preferred stock are in all respects subject to and qualified in their entirety by reference to the applicable provisions of our certificate of incorporation and bylaws and any applicable designation designating terms of a series of preferred stock.

Terms

Our certificate of incorporation authorizes our board of directors, subject to any limitations prescribed by law, without further stockholder approval, to establish and to issue up to 20,000,000 shares of preferred stock in one or more series from time to time. Each series of preferred stock will cover the number of shares and will have the powers, preferences, rights, qualifications, limitations and restrictions determined by our board of directors, which may include, among others, dividend rights, liquidation preferences, voting rights, conversion rights, preemptive rights and redemption rights. Except as provided by law or in a preferred stock designation, the holders of preferred stock will not be entitled to vote at or receive notice of any meeting of stockholders.

The applicable prospectus supplement will describe the terms of the preferred stock in respect of which this prospectus is being delivered, including the following:

- the series, the number of shares offered and the liquidation value of the preferred stock;
- the price at which the preferred stock will be issued;
- the dividend rate, the dates on which the dividends will be payable and other terms relating to the payment of dividends on the preferred stock;
- the voting rights of the preferred stock;
- whether the preferred stock is redeemable or subject to a sinking fund, and the terms of any such redemption or sinking fund;
- whether the preferred stock is convertible or exchangeable for any other securities, and the terms of any such conversion;
- any listing of the preferred stock on any securities exchange; and
- any additional rights, preferences, qualifications, limitations and restrictions of the preferred stock.

Registrar and Transfer Agent

We will name the registrar and transfer agent for the preferred stock in the applicable prospectus supplement.

DESCRIPTION OF DEBT SECURITIES

The following is a general description of the terms of debt securities we may issue from time to time unless we provide otherwise in the prospectus supplement. Particular terms of any debt securities we offer will be described in the prospectus supplement relating to such debt securities.

As required by federal law for all bonds and notes of companies that are publicly offered, any debt securities we issue will be governed by a document called an “indenture.” An indenture is a contract among us, Subsidiary Guarantors, if any, and a financial institution acting as trustee on behalf of the holders of the debt securities, and is subject to and governed by the Trust Indenture Act of 1939, as amended. The trustee has two main roles. First, the trustee can enforce holders’ rights against us if we default. There are some limitations on the extent to which the trustee acts on holders’ behalf, described in the second paragraph under “—Events of Default.” Second, the trustee performs certain administrative duties, such as sending interest and principal payments to holders.

Because this section is a summary, it does not describe every aspect of any debt securities we may issue or the indenture governing any such debt securities. Particular terms of any debt securities we offer will be described in the prospectus supplement relating to such debt securities, and we urge you to read the applicable indenture, which will be filed with the SEC at the time of any offering of debt securities, because it, and not this description, will define the rights of holders of such debt securities.

A prospectus supplement will describe the particular terms of any series of debt securities we may issue, including the following:

- the designation or title of the series of debt securities;
- the total principal amount of the series of debt securities, the denominations in which the offered debt securities will be issued and whether the offering may be reopened for additional securities of that series and on what terms;
- the percentage of the principal amount at which the series of debt securities will be offered;
- the date or dates on which principal will be payable;
- the rate or rates (which may be either fixed or variable) and/or the method of determining such rate or rates of interest, if any;
- the date or dates from which any interest will accrue, or the method of determining such date or dates, and the date or dates on which any interest will be payable;
- the terms for redemption, extension or early repayment, if any;
- the currencies in which the series of debt securities are issued and payable;
- whether the amount of payments of principal, interest or premium, if any, on a series of debt securities will be determined with reference to an index, formula or other method and how these amounts will be determined;
- the place or places of payment, transfer, conversion and/or exchange of the debt securities;
- the provision for any sinking fund;
- any restrictive covenants;
- events of default;
- whether the series of debt securities are issuable in certificated form;
- any provisions for legal defeasance or covenant defeasance;

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- whether and under what circumstances we will pay additional amounts in respect of any tax, assessment or governmental charge and, if so, whether we will have the option to redeem the debt securities rather than pay the additional amounts (and the terms of this option);
- any provisions for convertibility or exchangeability of the debt securities into or for any other securities;
- whether the debt securities are subject to subordination and the terms of such subordination;
- the listing, if any, on a securities exchange;
- if applicable, a discussion of certain U.S. federal income tax considerations, including those related to original issue discount, if applicable; and
- any other terms.

The debt securities may be secured or unsecured obligations. Unless the prospectus supplement states otherwise, principal, interest and premium, if any, will be paid by us in immediately available funds.

General

The indenture may provide that any debt securities proposed to be sold under this prospectus and the applicable prospectus supplement relating to such debt securities (“offered debt securities”) and any debt securities issuable upon the exercise of warrants or upon conversion or exchange of other offered securities (“underlying debt securities”) may be issued under the indenture in one or more series.

For purposes of this prospectus, any reference to the payment of principal of, or interest or premium, if any, on, debt securities will include additional amounts if required by the terms of the debt securities.

Debt securities issued under an indenture, when a single trustee is acting for all debt securities issued under the indenture, are called the “indenture securities.” The indenture may also provide that there may be more than one trustee thereunder, each with respect to one or more different series of securities issued thereunder. See “—Resignation of Trustee” below. At a time when two or more trustees are acting under an indenture, each with respect to only certain series, the term “indenture securities” means the one or more series of debt securities with respect to which each respective trustee is acting. In the event that there is more than one trustee under an indenture, the powers and trust obligations of each trustee described in this prospectus will extend only to the one or more series of indenture securities for which it is trustee. If two or more trustees are acting under an indenture, then the indenture securities for which each trustee is acting would be treated as if issued under separate indentures.

We refer you to the applicable prospectus supplement relating to any debt securities we may issue from time to time for information with respect to any deletions from, modifications of or additions to the Events of Default or covenants that are described below, including any addition of a covenant or other provision providing event risk or similar protection, that will be applicable with respect to such debt securities.

We have the ability to issue indenture securities with terms different from those of indenture securities previously issued and, without the consent of the holders thereof, to reopen a previous issue of a series of indenture securities and issue additional indenture securities of that series unless the reopening was restricted when that series was created.

Conversion and Exchange

If any debt securities are convertible into or exchangeable for other securities, the related prospectus supplement will explain the terms and conditions of the conversion or exchange, including the conversion price

or exchange ratio (or the calculation method), the conversion or exchange period (or how the period will be determined), if conversion or exchange will be mandatory or at the option of the holder or us, provisions for adjusting the conversion price or the exchange ratio and provisions affecting conversion or exchange in the event of the redemption of the underlying debt securities. These terms may also include provisions under which the number or amount of other securities to be received by the holders of the debt securities upon conversion or exchange would be calculated according to the market price of the other securities as of a time stated in the prospectus supplement.

Payment and Paying Agents

We will pay interest to the person listed in the applicable trustee's records as the owner of the debt security at the close of business on a particular day in advance of each due date for interest, even if that person no longer owns the debt security on the interest due date. That day, often approximately two weeks in advance of the interest due date, is called the "record date." Because we will pay all the interest for an interest period to the holders on the record date, holders buying and selling debt securities must work out between themselves the appropriate purchase price. The most common manner is to adjust the sales price of the debt securities to prorate interest fairly between buyer and seller based on their respective ownership periods within the particular interest period. This prorated interest amount is called "accrued interest."

Guarantees

The payment obligations of Nine under any series of debt securities may be jointly and severally, fully and unconditionally guaranteed by CDK Perforating, LLC, Crest Pumping Technologies, LLC, Magnum Oil Tools GP, LLC, Magnum Oil Tools International, LTD, MOTI Holdco, LLC, Nine Downhole Technologies, LLC, Nine Energy Canada Inc., Nine Energy Service, LLC and RedZone Coil Tubing, LLC, each of which is 100% owned by us, subject to restrictions in credit agreements and other agreements to which they may be a party at the time of issuance. If a series of debt securities is so guaranteed, the relevant guarantors will execute a notation of guarantee as further evidence of their guarantee, and the applicable prospectus supplement will describe the terms of any such guarantee.

The obligations of any guarantor under its guarantee of the debt securities will be limited to the maximum amount that will not result in the obligations of the guarantor under its guarantee constituting a fraudulent conveyance or fraudulent transfer under federal or state law, after giving effect to:

- all other contingent and fixed liabilities of the guarantor; and
- any collections from or payments made by or on behalf of any other guarantor in respect of the obligations of the guarantor under its guarantee.

The guarantee of any guarantor may be released under certain circumstances. If no default has occurred and is continuing under the relevant indenture, and to the extent not otherwise prohibited by the indenture, a guarantor will be unconditionally released and discharged from the guarantee:

- in connection with any sale or other disposition of all of the stock of the guarantor to a person other than us or any of our subsidiaries;
- in connection with the sale or other disposition of all or substantially all of the assets of the guarantor, including by way of merger, consolidation or otherwise, to a person other than us or any of our subsidiaries;
- upon the release or discharge of the guarantee of the subsidiary of indebtedness of us and each guarantor which resulted in the obligation to guarantee the debt securities; or
- in connection with the liquidation, dissolution or winding-up of the guarantor, if such liquidation, dissolution or winding-up complies with the provisions of the indenture.

Events of Default

Holders of debt securities of any series will have rights if an Event of Default occurs in respect of the debt securities of such series and is not cured, as described later in this subsection.

The term “Event of Default” in respect of the debt securities of any series means any of the following:

- we do not pay the principal of, or any premium on, a debt security of the series within five days of its due date;
- we do not pay interest on a debt security of the series within 30 days of its due date;
- we do not deposit any sinking fund payment in respect of debt securities of the series on its due date and we do not cure this default within five days;
- we remain in breach of a covenant in respect of debt securities of the series for 60 days after we receive a written notice of default stating we are in breach. The notice must be sent by either the trustee or holders of at least 25.0% of the principal amount of debt securities of the series;
- we file for bankruptcy or certain other events of bankruptcy, insolvency or reorganization occur; and
- any other Event of Default occurs in respect of debt securities of the series described in the prospectus supplement.

An Event of Default for a particular series of debt securities does not necessarily constitute an Event of Default for any other series of debt securities issued under the same or any other indenture. The trustee may withhold notice to the holders of debt securities of any default, except in the payment of principal, premium or interest, if it considers the withholding of notice to be in the best interests of the holders.

Remedies if an Event of Default Occurs

If an Event of Default has occurred and has not been cured or waived, the trustee or the holders of not less than 25.0% in principal amount of the debt securities of the affected series may declare the entire principal amount of all the debt securities of that series to be due and immediately payable. This is called a declaration of acceleration of maturity. Before a judgment or decree for payment of the money due has been obtained by the trustee, a declaration of acceleration of maturity may be canceled by the holders of a majority in principal amount of the debt securities of the affected series if all Events of Default with respect to the applicable series of debt securities are cured or waived and certain other conditions are satisfied.

Except in cases of default, where the trustee has some special duties, the trustee typically is not required to take any action under an indenture at the request of any holders unless the holders offer the trustee protection from expenses and liability (called an “indemnity”). If indemnity is provided, the holders of a majority in principal amount of the outstanding debt securities of the relevant series may direct the time, method and place of conducting any lawsuit or other formal legal action seeking any remedy available to the trustee. The trustee may refuse to follow those directions in certain circumstances.

Before a holder is allowed to bypass the trustee and bring its own lawsuit or other formal legal action or take other steps to enforce its rights or protect its interests relating to any debt securities, the following must occur:

- the holder must give the trustee written notice that an Event of Default has occurred and remains uncured;
- the holders of at least 25.0% in principal amount of all outstanding debt securities of the relevant series must make a written request that the trustee take action because of the default and must offer indemnity to the trustee against the cost and other liabilities of taking that action;
- the trustee must not have taken action for 60 days after receipt of the above notice and offer of indemnity; and

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- the holders of a majority in principal amount of the debt securities must not have given the trustee a direction inconsistent with the above notice during that 60-day period.

However, a holder is entitled at any time to bring a lawsuit for the payment of money due on its debt securities on or after the due date.

Each year, we will furnish to each trustee a written statement of certain of our officers certifying that to their knowledge we are in compliance with the indenture, or else specifying any default.

Waiver of Default

The holders of a majority in principal amount of the relevant series of debt securities may waive a default for all such series of debt securities, except in the payment of principal, premium or interest and certain covenants specified in the indenture as requiring the consent holders of a majority in principal amount of the relevant series of debt securities. If this happens, the default will be treated as if it had not occurred.

Merger or Consolidation

Under the terms of an indenture, we may be permitted to consolidate or merge with another entity. We may also be permitted to sell all or substantially all of our assets to another entity. However, typically, we may not take any of these actions unless all the following conditions are met:

- if we do not survive such transaction or we convey, transfer or lease our properties and assets substantially as an entirety, the acquiring company must be a corporation, limited liability company, partnership or trust, or other corporate form, organized under the laws of any state of the United States or the District of Columbia, any country comprising the European Union, the United Kingdom or Japan, and such company must agree to be legally responsible for our debt securities, and, if not already subject to the jurisdiction of any state of the United States or the District of Columbia, the new company must submit to such jurisdiction for all purposes with respect to the debt securities and appoint an agent for service of process;
- alternatively, we must be the surviving company;
- immediately after the transaction no Event of Default will exist;
- we must deliver certain certificates and documents to the trustee; and
- we must satisfy any other requirements specified in the prospectus supplement relating to a particular series of debt securities.

Modification or Waiver

There are three types of changes we may make to an indenture and the debt securities issued thereunder.

Changes Requiring Approval

First, there are changes that we cannot make to debt securities without specific approval of all of the holders. The following is a list of the types of changes that may require specific approval:

- change the stated maturity of the principal of or interest on a debt security;
- reduce any amounts due on a debt security;
- reduce the amount of principal payable upon acceleration of the maturity of a security following a default;

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- at any time after a change of control has occurred, reduce any premium payable upon a change of control;
- change the place or currency of payment on a debt security (except as otherwise described in the prospectus or prospectus supplement);
- impair the right of holders to sue for payment;
- adversely affect any right to convert or exchange a debt security in accordance with its terms;
- reduce the percentage of holders of debt securities whose consent is needed to modify or amend the indenture;
- reduce the percentage of holders of debt securities whose consent is needed to waive compliance with certain provisions of the indenture or to waive certain defaults;
- modify any other aspect of the provisions of the indenture dealing with supplemental indentures, modification and waiver of past defaults, changes to the quorum or voting requirements or the waiver of certain covenants; and
- change any obligation we have to pay additional amounts.

Changes Not Requiring Approval

The second type of change does not require any vote by the holders of the debt securities. This type is limited to clarifications and certain other changes that would not adversely affect holders of the outstanding debt securities in any material respect, including the addition of covenants and guarantees. We also do not need any approval to make any change that affects only debt securities to be issued under the indenture after the change takes effect.

Changes Requiring Majority Approval

Any other change to the indenture and the debt securities may require the following approval:

- if the change affects only one series of debt securities, it must be approved by the holders of a majority in principal amount of that series; and
- if the change affects more than one series of debt securities issued under the same indenture, it must be approved by the holders of a majority in principal amount of all of the series affected by the change, with all affected series voting together as one class for this purpose.

In each case, the required approval must be given by written consent.

The holders of a majority in principal amount of all of the series of debt securities issued under an indenture, voting together as one class for this purpose, may waive our compliance obligations with respect to some of our covenants in that indenture. However, we cannot obtain a waiver of a payment default or of any of the matters covered by the bullet points included above under “—Modification or Waiver—Changes Requiring Approval.”

Further Details Concerning Voting

When taking a vote, we expect to use the following rules to decide how much principal to attribute to a debt security:

- for original issue discount securities, we will use the principal amount that would be due and payable on the voting date if the maturity of these debt securities were accelerated to that date because of a default;

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- for debt securities whose principal amount is not known (for example, because it is based on an index), we will use a special rule for that debt security described in the related prospectus supplement; and
- for debt securities denominated in one or more foreign currencies, we will use the U.S. dollar equivalent.

Debt securities will not be considered outstanding, and therefore not eligible to vote, if we have deposited or set aside in trust money for their payment or redemption. Debt securities will also not be eligible to vote if they have been fully defeased as described later under “—Defeasance—Legal Defeasance.”

We will generally be entitled to set any day as a record date for the purpose of determining the holders of outstanding indenture securities that are entitled to vote or take other action under the indenture. If we set a record date for a vote or other action to be taken by holders of one or more series, that vote or action may be taken only by persons who are holders of outstanding indenture securities of those series on the record date and must be taken within eleven months following the record date.

Book-entry and other indirect holders should consult their banks or brokers for information on how approval may be granted or denied if we seek to change the indenture or the debt securities or request a waiver.

Defeasance

The following provisions will be applicable to each series of debt securities unless we state in the applicable prospectus supplement that the provisions of covenant defeasance and legal defeasance will not be applicable to that series.

Covenant Defeasance

We can make the deposit described below and be released from some of the restrictive covenants in the indenture under which the particular series was issued. This is called “covenant defeasance.” In that event, the holders would lose the protection of those restrictive covenants but would gain the protection of having money and government securities set aside in trust to repay holders’ debt securities. If applicable, a holder also would be released from the subordination provisions described under “—Subordination” below. In order to achieve covenant defeasance, we must do the following:

- If the debt securities of the particular series are denominated in U.S. dollars, we must deposit in trust for the benefit of all holders of such debt securities a combination of money and U.S. government or U.S. government agency notes or bonds that will generate enough cash to make interest, principal and any other payments on the debt securities on their various due dates;
- We must deliver to the trustee a legal opinion of our counsel confirming that, under current U.S. federal income tax law, we may make the above deposit and accomplish covenant defeasance without causing the beneficial owners of the debt securities to be taxed on the debt securities any differently than if we did not make the deposit and just repaid the debt securities ourselves at maturity; and
- We must deliver to the trustee certain documentation stating that all conditions precedent to covenant defeasance have been complied with.

If we accomplish covenant defeasance, holders can still look to us for repayment of the debt securities if there were a shortfall in the trust deposit or the trustee is prevented from making payment. In fact, if one of the remaining Events of Default occurred (such as our bankruptcy) and the debt securities became immediately due and payable, there might be a shortfall. Depending on the event causing the default, holders may not be able to obtain payment of the shortfall.

Legal Defeasance

As described below, we can legally release ourselves from all payment and other obligations on the debt securities of a particular series (called “legal defeasance”). In order to achieve legal defeasance, we must do the following:

- If the debt securities of the particular series are denominated in U.S. dollars, we must deposit in trust for the benefit of all holders of such debt securities a combination of money and U.S. government or U.S. government agency notes or bonds that will generate enough cash to make interest, principal and any other payments on the debt securities on their various due dates;
- We must deliver to the trustee a legal opinion of our counsel confirming that there has been a change in current U.S. federal tax law or an Internal Revenue Service ruling that allows us to make the above deposit and accomplish legal defeasance without causing the beneficial owners of the debt securities to be taxed on the debt securities any differently than if we did not make the deposit and just repaid the debt securities ourselves at maturity. Under current U.S. federal tax law, the deposit and our legal release from the debt securities would be treated as though we paid each holder its share of the cash and notes or bonds at the time the cash and notes or bonds were deposited in trust in exchange for its debt securities and beneficial owners would recognize gain or loss on the debt securities at the time of the deposit; and
- We must deliver to the trustee a legal opinion and officers’ certificate stating that all conditions precedent to legal defeasance have been complied with.

If we ever did accomplish legal defeasance, as described above, holders would have to rely solely on the trust deposit for repayment of the debt securities. Holders could not look to us for repayment in the unlikely event of any shortfall. Conversely, the trust deposit would most likely be protected from claims of our lenders and other creditors if we ever became bankrupt or insolvent. If applicable, holders would also be released from the subordination provisions described later under “—Subordination.”

Resignation of Trustee

Each trustee may resign or be removed with respect to one or more series of indenture securities provided that a successor trustee is appointed to act with respect to such series. In the event that two or more persons are acting as trustee with respect to different series of indenture securities under the indenture, each of the trustees will be a trustee of a trust separate and apart from the trust administered by any other trustee.

Subordination

Upon any distribution of our assets upon our dissolution, winding up, liquidation or reorganization, the payment of the principal of (and premium, if any) and interest on any indenture securities denominated as subordinated debt securities is to be subordinated to the extent provided in the indenture in right of payment to the prior payment in full of all Senior Indebtedness, but our obligation to holders to make payment of the principal of (and premium, if any) and interest on such subordinated debt securities will not otherwise be affected. In addition, no payment on account of principal (or premium, if any), interest or sinking fund, if any, may be made on such subordinated debt securities at any time unless full payment of all amounts due in respect of the principal (and premium, if any), interest and sinking fund, if any, on Senior Indebtedness has been made or duly provided for in money or money’s worth.

In the event that, notwithstanding the foregoing, any payment from us is received by the trustee in respect of subordinated debt securities or by the holders of any of such subordinated debt securities before all Senior Indebtedness is paid in full, the payment or distribution must be paid over to the holders of the Senior Indebtedness or on their behalf for application to the payment of all the Senior Indebtedness remaining unpaid until all the Senior Indebtedness has been paid in full, after giving effect to any concurrent payment or

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distribution to the holders of the Senior Indebtedness. Subject to the payment in full of all Senior Indebtedness, the holders of such subordinated debt securities will be subrogated to the rights of the holders of the Senior Indebtedness to the extent of payments made to the holders of the Senior Indebtedness out of the distributive share of such subordinated debt securities.

By reason of this subordination, in the event of a distribution of our assets upon our insolvency, certain of our senior creditors may recover more, ratably, than holders of any subordinated debt securities. The related indenture will provide that these subordination provisions will not apply to money and securities held in trust under the defeasance provisions of the indenture.

“Senior Indebtedness” will be defined in an applicable indenture as the principal of (and premium, if any) and unpaid interest on:

- our indebtedness (including indebtedness of others guaranteed by us), whenever created, incurred, assumed or guaranteed, for money borrowed (other than indenture securities issued under the indenture and denominated as subordinated debt securities), unless in the instrument creating or evidencing the same or under which the same is outstanding it is provided that this indebtedness is not senior or prior in right of payment to the subordinated debt securities; and
- renewals, extensions, modifications and refinancings of any of such indebtedness.

The prospectus supplement accompanying any series of indenture securities denominated as subordinated debt securities will set forth the approximate amount of our Senior Indebtedness outstanding as of a recent date.

Trustee

We intend to name the indenture trustee for each series of indenture securities in the related prospectus supplement.

DESCRIPTION OF WARRANTS

We may issue warrants for the purchase of our common stock, preferred stock or debt securities. Warrants may be issued independently or together with any other securities offered hereby and may be attached to, or separate from, such securities. We will issue each series of warrants under a separate warrant agreement between us and a bank or trust company as warrant agent, as specified in the applicable prospectus supplement. The form of warrant agreement and the form of the warrant certificate will be filed with the SEC and incorporated by reference as an exhibit to the registration statement of which this prospectus is a part.

The warrant agent will act solely as our agent in connection with the warrants and will not act for or on behalf of warrant holders. The following sets forth certain general terms and provisions of the warrants that may be offered under this registration statement. Further terms of the warrants and the applicable warrant agreement will be set forth in the applicable prospectus supplement.

The applicable prospectus supplement will describe the terms of the warrants to be issued, including, where applicable, the following:

- the title of such warrants;
- the aggregate number of such warrants;
- the price or prices at which such warrants will be issued;
- the type and number of securities purchasable upon exercise of such warrants;
- the designation and terms of the other securities, if any, with which such warrants are issued and the number of such warrants issued with each such offered security;
- the date, if any, on and after which such warrants and the related securities will be separately transferable;
- the price at which each security purchasable upon exercise of such warrants may be purchased;
- the date on which the right to exercise such warrants shall commence and the date on which such right shall expire;
- the minimum or maximum amount of such warrants that may be exercised at any one time;
- information with respect to book-entry procedures, if any;
- any anti-dilution protection; and
- any other material terms of such warrants, including terms, procedures and limitations relating to the transferability, exercise and exchange of such warrants.

Warrant certificates will be exchangeable for new warrant certificates of different denominations and warrants may be exercised at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Prior to the exercise of their warrants, holders of warrants will not have any of the rights of holders of the securities purchasable upon such exercise. In the case of stock warrants, the holders will not have any rights to any dividend payments or voting rights as to which holders of the shares of common stock or preferred stock purchasable upon such exercise may be entitled.

Each warrant will entitle the holder of the warrant to purchase for cash, at the exercise price set forth in the applicable prospectus supplement, the shares of our common stock or preferred stock or the principal amount of debt securities being offered. After the expiration date set forth in applicable prospectus supplement, unexercised warrants will be void.

Warrants may be exercised as set forth in the applicable prospectus supplement relating to the warrants. Upon receipt of payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will, as soon as practicable, forward the securities purchasable upon such exercise. If less than all of the warrants are presented for exercise with respect to a warrant certificate, a new warrant certificate will be issued for the remaining amount of warrants.

DESCRIPTION OF RIGHTS

We may issue rights to purchase our common stock, preferred stock, debt securities, warrants or units. These rights may be issued independently or together with any other security offered hereby and may or may not be transferable by the person receiving the rights in such offering.

Each series of rights will be issued under a separate rights agreement to be entered into between us and a bank or trust company, as rights agent, all as set forth in the prospectus supplement relating to the particular issue of rights. The rights agent will act solely as our agent in connection with the certificates relating to the rights of such series and will not assume any obligation or relationship of agency or trust for or with any holders of rights certificates or beneficial owners of rights. The form of rights agreement and the rights certificates relating to each series of rights will be filed with the SEC and incorporated by reference as an exhibit to the registration statement of which this prospectus is a part.

The applicable prospectus supplement will describe the terms of the rights to be issued, including the following, where applicable:

- the date for determining the stockholders entitled to the rights distribution;
- the number of rights issued or to be issued to each stockholder;
- the exercise price payable for the underlying securities upon the exercise of the rights;
- the number and terms of the underlying securities that may be purchased per each right;
- the date, if any, on and after which such rights may be transferable separately;
- the date on which the right to exercise such rights shall commence and the date on which such right shall expire; and
- any other terms of such rights, including terms, procedures and limitations relating to the distribution, exchange and exercise of such rights.

DESCRIPTION OF UNITS

We may issue units comprised of one or more of the following securities: common stock, preferred stock, debt securities, guarantees, warrants, rights or any combination thereof. 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.

If we issue units, they will be evidenced by unit agreements or unit certificates issued under one or more unit agreements, which will be contracts between us and the holders of the units or an agent for the holders of the units. 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. The forms of unit agreements or unit certificates, as applicable, relating to the units will be filed with the SEC and incorporated by reference as an exhibit to the registration statement of which this prospectus is a part.

The applicable prospectus supplement will describe the terms of the units to be issued, including the following, where applicable:

- the title of the series of units;
- identification and description of the separate securities comprising the units;
- the price or prices at which the units will be sold;
- the date, if any, on and after which the units, and the securities comprising such units, will be separately transferable; and
- any other terms of such units, and the securities comprising such units, including procedures and limitations relating to distribution and exchange of such units.

LEGAL MATTERS

Kirkland & Ellis LLP, Houston, Texas, will pass upon the validity of the securities we are offering under this prospectus. If the validity of any securities is also passed upon by counsel for the underwriters of an offering of those securities, that counsel will be named in the prospectus supplement relating to that offering.

EXPERTS

The financial statements incorporated in this prospectus by reference to the Annual Report on Form 10-K for the year ended December 31, 2021 have been so incorporated in reliance on the report (which contains an emphasis of a matter paragraph relating to Nine Energy Service, Inc.'s liquidity and management's plans, as described in Note 1 to the financial statements) of PricewaterhouseCoopers LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public through the Internet at the SEC's website at <http://www.sec.gov>.

We also make available free of charge on our website at www.nineenergyservice.com all of the documents that we file with the SEC as soon as reasonably practicable after we electronically file those documents with the SEC. Information contained on, or that can be accessed through, our website is not incorporated by reference into this prospectus, and you should not consider such information as part of this prospectus.

This prospectus is part of a registration statement that we filed with the SEC and does not contain all of the information in the registration statement. The full registration statement, including exhibits to the registration statement, provides additional information about us and the securities offered under this prospectus and may be obtained from the SEC or us, as provided above.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to "incorporate by reference" information into this prospectus, which means that we can disclose important information about us by referring you to another document filed separately with the SEC. The information incorporated by reference is considered to be a part of this prospectus. We have previously filed the following documents with the SEC and are incorporating them by reference into this prospectus (other than portions of these documents that are either (i) described in paragraph (e) of Item 201 of Registration S-K or paragraphs (d)(1)-(3) and (e)(5) of Item 407 of Regulation S-K or (ii) deemed to have been furnished and not filed in accordance with SEC rules, including pursuant to Item 2.02 or Item 7.01 of any Current Report on Form 8-K (including any financial statements or exhibits relating thereto furnished pursuant to Item 9.01), unless otherwise indicated therein):

- our Annual Report on [Form 10-K](#) for the year ended December 31, 2021 (filed with the SEC on March 8, 2022);
- our Quarterly Reports on Form 10-Q for the quarters ended [March 31, 2022](#) (filed with the SEC on May 5, 2022), [June 30, 2022](#) (filed with the SEC on August 4, 2022) and [September 30, 2022](#) (filed with the SEC on November 7, 2022);
- our Current Reports on Form 8-K filed with the SEC on [January 7, 2022](#), [May 4, 2022](#) and [September 12, 2022](#);
- our Definitive Proxy Statement on [Schedule 14A](#), filed with the SEC on March 15, 2022; and

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- the description of our common stock included in the Registration Statement on [Form 8-A](#), filed with the SEC on January 16, 2018 (File No. 001-38347), including any subsequent amendment or any report filed for the purpose of updating such description.

We also incorporate by reference any future filings made by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (other than portions of these documents that are either (i) described in paragraph (e) of Item 201 of Registration S-K or paragraphs (d)(1)-(3) and (e)(5) of Item 407 of Regulation S-K or (ii) deemed to have been furnished and not filed in accordance with SEC rules, including pursuant to Item 2.02 or Item 7.01 of any Current Report on Form 8-K (including any financial statements or exhibits relating thereto furnished pursuant to Item 9.01), unless otherwise indicated therein) after the date on which the registration statement of which this prospectus forms a part was initially filed with the SEC and prior to the effectiveness of the registration statement, and all such documents filed after the date of this prospectus and before the termination of the offering under this prospectus. The most recent information that we file with the SEC automatically updates and supersedes more dated information.

You can obtain a copy of any documents that are incorporated by reference in this prospectus or any prospectus supplement at no cost, by writing or telephoning us at:

Nine Energy Service, Inc.
2001 Kirby Drive, Suite 200
Houston, Texas 77019
(281) 730-5100
Attention: Investor Relations

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

The following table sets forth the various expenses expected to be incurred in connection with the sale and distribution of the securities being registered hereby, other than underwriting discounts and commissions, all of which will be borne by the Company.

SEC registration fee	\$ 38,570.00
Accounting fees and expenses	*
Legal fees and expenses	*
Printing expenses	*
Transfer agent's fees and expenses	*
Miscellaneous expenses	*
Total expenses	<u>\$ *</u>

* Estimated expenses not presently known.

Item 15. Indemnification of Directors and Officers.

The Company is incorporated under the laws of the State of Delaware. Section 145 of the DGCL provides that a corporation may indemnify directors and officers as well as other employees and individuals against expenses, including attorneys' fees, judgments, fines and amounts paid in settlement in connection with specified actions, suits and proceedings, whether civil, criminal, administrative or investigative, other than a derivative action by or in the right of the corporation, if they acted in good faith and in a manner they 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 their conduct was unlawful. A similar standard is applicable in the case of derivative actions, except that indemnification extends only to expenses, including attorneys' fees, incurred in connection with the defense or settlement of such action and the statute requires court approval before there can be any indemnification where the person seeking indemnification has been found liable to the corporation. The statute provides that it is not exclusive of other indemnification that may be granted by a corporation's certificate of incorporation, bylaws, disinterested director vote, stockholder vote, agreement or otherwise.

As permitted by Delaware law, the Company's Third Amended and Restated Certificate of Incorporation, dated January 23, 2018, provides that a director will not be liable to the Company or its stockholders for monetary damages for breach of fiduciary duties to the fullest extent permitted by the Delaware General Corporation Law (the "DGCL"). Any amendment to, or repeal of, these provisions will not eliminate or reduce the effect of these provisions in respect of any act, omission or claim that occurred or arose prior to that amendment or repeal. In addition, if the DGCL is amended to authorize the further elimination or limitation of the liability of directors, then the liability of a director of the Company, in addition to the limitation on personal liability provided for in the Company's certificate of incorporation, will be limited to the fullest extent permitted by the amended DGCL. The Company's Third Amended and Restated Certificate of Incorporation and Fourth Amended and Restated Bylaws provide that the Company will indemnify, and advance expenses to, any officer or director to the fullest extent authorized by the DGCL.

The Company has obtained directors' and officers' insurance to cover its directors and officers for certain liabilities.

The Company has entered or will enter into written indemnification agreements with its current and future directors and officers that may be broader than the specific indemnification provisions contained in the DGCL.

These indemnification agreements require the Company, among other things, to indemnify the Company's directors and officers against liabilities that may arise by reason of their status or service as directors or officers and

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to advance any expenses incurred as a result of any proceeding against them as to which they could be indemnified. The form of such indemnification agreements is filed as Exhibit 10.10 to the Company's Amendment No. 2 to Registration Statement on Form S-1 (File No. 333-217601), filed with the SEC on May 24, 2017.

The above discussion of Section 145 of the DGCL and of the Company's Third Amended and Restated Certificate of Incorporation and Fourth Amended and Restated Bylaws is not intended to be exhaustive and is respectively qualified in its entirety by Section 145 of the DGCL, the Company's Third Amended and Restated Certificate of Incorporation and Fourth Amended and Restated Bylaws.

Item 16. Exhibits.

Exhibit No.

1.1*	Form of Underwriting Agreement by and among Nine Energy Service, Inc. and the underwriters named therein.
4.1	Third Amended and Restated Certificate of Incorporation of Nine Energy Service, Inc., dated January 23, 2018 (Incorporated by reference to Exhibit 3.1 of Nine Energy Service, Inc.'s Current Report on Form 8-K filed on January 23, 2018).
4.2	Fourth Amended and Restated Bylaws of Nine Energy Service, Inc., dated January 23, 2018 (Incorporated by reference to Exhibit 3.2 of Nine Energy Service, Inc.'s Current Report on Form 8-K filed on January 23, 2018).
4.3	Form of Common Stock Certificate (Incorporated by reference to Exhibit 4.1 of the Company's Amendment No. 2 to Registration Statement on Form S-1 filed on May 24, 2017).
4.4+	Form of Indenture.
4.5*	Form of Note.
4.6*	Form of Warrant Certificate.
4.7*	Form of Warrant Agreement.
4.8*	Form of Rights Agreement.
4.9*	Form of Rights Certificate.
4.10*	Form of Unit Agreement (including form of Unit Certificate).
5.1+	Opinion of Kirkland & Ellis LLP.
5.2+	Opinion of Osler, Hoskin & Harcourt LLP.
22.1+	List of Subsidiary Guarantors and Issuers of Guaranteed Securities.
23.1+	Consent of PricewaterhouseCoopers LLP.
23.2+	Consent of Kirkland & Ellis LLP (included in Exhibit 5.1).
23.3+	Consent of Osler, Hoskin & Harcourt LLP (included in Exhibit 5.2).
24.1+	Power of Attorney (included on signature page of this registration statement).
25.1**	Form T-1 Statement of Eligibility and Qualification under the Trust Indenture Act of 1939 of the Trustee under the Indenture
107+	Filing Fee Table.

* To be filed, if necessary, by amendment or as an exhibit to a document filed under the Exchange Act and incorporated by reference herein.

** To be filed in accordance with the requirements of Section 305(b)(2) of the Trust Indenture Act of 1939 and Rule 5b-3 thereunder.

+ Filed herewith.

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;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) above 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 SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act 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 registrants 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; or

- (5) That, for the purpose of determining liability of the registrants 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.
- (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 registrants pursuant to the foregoing provisions, or otherwise, the registrants have 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, each 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 that:
 - (1) For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b) (1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.
 - (2) For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus 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.
- (e) Each 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 the City of Houston, State of Texas, on December 23, 2022.

Nine Energy Service, Inc.

By: /s/ Ann G. Fox

Name: Ann G. Fox

Title: President and Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below appoints Theodore R. Moore, Ann G. Fox and Guy Sirkes, and each of them, any of whom may act without the joinder of the other, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and any registration statement (including any amendment thereto) for this offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933 and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or would do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them or their or his or her 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 indicated on the date indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Ann G. Fox</u> Ann G. Fox	President, Chief Executive Officer and Director (Principal Executive Officer)	December 23, 2022
<u>/s/ Guy Sirkes</u> Guy Sirkes	Senior Vice President and Chief Financial Officer (Principal Financial Officer)	December 23, 2022
<u>/s/ S. Brett Luz</u> S. Brett Luz	Chief Accounting Officer (Principal Accounting Officer)	December 23, 2022
<u>/s/ Ernie L. Danner</u> Ernie L. Danner	Chairman of the Board of Directors	December 23, 2022
<u>/s/ David C. Baldwin</u> David C. Baldwin	Director	December 23, 2022
<u>/s/ Mark E. Baldwin</u> Mark E. Baldwin	Director	December 23, 2022

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<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Curtis F. Harrell</u> Curtis F. Harrell	Director	December 23, 2022
<u>/s/ Scott E. Schwinger</u> Scott E. Schwinger	Director	December 23, 2022
<u>/s/ Gary L. Thomas</u> Gary L. Thomas	Director	December 23, 2022
<u>/s/ Andrew L. Waite</u> Andrew L. Waite	Director	December 23, 2022
<u>/s/ Darryl K. Willis</u> Darryl K. Willis	Director	December 23, 2022

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, State of Texas, on December 23, 2022.

CDK Perforating, LLC
Crest Pumping Technologies, LLC
MOTI Holdco, LLC
Nine Downhole Technologies, LLC
Nine Energy Service, LLC
RedZone Coil Tubing, LLC

By: /s/ Ann G. Fox
Name: Ann G. Fox
Title: President and Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below appoints Theodore R. Moore, Ann G. Fox and Guy Sirkes, and each of them, any of whom may act without the joinder of the other, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and any registration statement (including any amendment thereto) for this offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933 and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or would do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them or their or his or her 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 indicated on the date indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Ann G. Fox</u> Ann G. Fox	President and Chief Executive Officer and Director of Nine Energy Service, Inc., the sole member of each registrant (Principal Executive Officer)	December 23, 2022
<u>/s/ Guy Sirkes</u> Guy Sirkes	Senior Vice President and Chief Financial Officer (Principal Financial Officer)	December 23, 2022
<u>/s/ S. Brett Luz</u> S. Brett Luz	Chief Accounting Officer (Principal Accounting Officer)	December 23, 2022
<u>/s/ Ernie L. Danner</u> Ernie L. Danner	Chairman of the Board of Directors of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022

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<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ David C. Baldwin</u> David C. Baldwin	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022
<u>/s/ Mark E. Baldwin</u> Mark E. Baldwin	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022
<u>/s/ Curtis F. Harrell</u> Curtis F. Harrell	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022
<u>/s/ Scott E. Schwinger</u> Scott E. Schwinger	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022
<u>/s/ Gary L. Thomas</u> Gary L. Thomas	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022
<u>/s/ Andrew L. Waite</u> Andrew L. Waite	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022
<u>/s/ Darryl K. Willis</u> Darryl K. Willis	Director of Nine Energy Service, Inc., the sole member of each registrant	December 23, 2022

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, State of Texas, on December 23, 2022.

Magnum Oil Tools GP, LLC

By: MOTI Holdco, LLC, the sole member of the registrant

By: Nine Energy Services, Inc., the sole member of MOTI Holdco, LLC

By: /s/ Ann G. Fox

Name: Ann G. Fox

Title: President and Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below appoints Theodore R. Moore, Ann G. Fox and Guy Sirkes, and each of them, any of whom may act without the joinder of the other, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and any registration statement (including any amendment thereto) for this offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933 and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or would do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them or their or his or her 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 indicated on the date indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Ann G. Fox</u> Ann G. Fox	President and Chief Executive Officer and Director of Nine Energy Service, Inc. (Principal Executive Officer)	December 23, 2022
<u>/s/ Guy Sirkes</u> Guy Sirkes	Senior Vice President and Chief Financial Officer (Principal Financial Officer)	December 23, 2022
<u>/s/ S. Brett Luz</u> S. Brett Luz	Chief Accounting Officer (Principal Accounting Officer)	December 23, 2022
<u>/s/ Ernie L. Danner</u> Ernie L. Danner	Chairman of the Board of Directors of Nine Energy Service, Inc.	December 23, 2022

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<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ David C. Baldwin</u> David C. Baldwin	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Mark E. Baldwin</u> Mark E. Baldwin	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Curtis F. Harrell</u> Curtis F. Harrell	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Scott E. Schwinger</u> Scott E. Schwinger	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Gary L. Thomas</u> Gary L. Thomas	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Andrew L. Waite</u> Andrew L. Waite	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Darryl K. Willis</u> Darryl K. Willis	Director of Nine Energy Service, Inc.	December 23, 2022

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, State of Texas, on December 23, 2022.

Magnum Oil Tools International, LTD

By: Magnum Oil Tools GP, LLC, the general partner of the registrant

By: MOTI Holdco, LLC, the sole member of Magnum Oil Tools GP, LLC

By: Nine Energy Services, Inc., the sole member of MOTI Holdco, LLC

By: /s/ Ann G. Fox

Name: Ann G. Fox

Title: President and Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below appoints Theodore R. Moore, Ann G. Fox and Guy Sirkes, and each of them, any of whom may act without the joinder of the other, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and any registration statement (including any amendment thereto) for this offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933 and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or would do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them or their or his or her 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 indicated on the date indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Ernie L. Danner</u> Ernie L. Danner	Chairman of the Board of Directors of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ David C. Baldwin</u> David C. Baldwin	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Mark E. Baldwin</u> Mark E. Baldwin	Director of Nine Energy Service, Inc.	December 23, 2022

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<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Curtis F. Harrell</u> Curtis F. Harrell	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Scott E. Schwinger</u> Scott E. Schwinger	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Gary L. Thomas</u> Gary L. Thomas	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Andrew L. Waite</u> Andrew L. Waite	Director of Nine Energy Service, Inc.	December 23, 2022
<u>/s/ Darryl K. Willis</u> Darryl K. Willis	Director of Nine Energy Service, Inc.	December 23, 2022

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, State of Texas, on December 23, 2022.

Nine Energy Canada Inc.

By: /s/ Ann G. Fox

Name: Ann G. Fox

Title: President, Chief Executive Officer and
Secretary

POWER OF ATTORNEY

Each person whose signature appears below appoints Theodore R. Moore, Ann G. Fox and Guy Sirkes, and each of them, any of whom may act without the joinder of the other, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and any registration statement (including any amendment thereto) for this offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933 and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or would do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them or their or his or her 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 indicated on the date indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Ann G. Fox</u> Ann G. Fox	President, Chief Executive Officer, Secretary and Director (Principal Executive Officer)	December 23, 2022
<u>/s/ Guy Sirkes</u> Guy Sirkes	Senior Vice President, Chief Financial Officer and Director (Principal Financial Officer)	December 23, 2022
<u>/s/ S. Brett Luz</u> S. Brett Luz	Chief Accounting Officer (Principal Accounting Officer)	December 23, 2022
<u>/s/ Theodore R. Moore</u> Theodore R. Moore	Director and Authorized Representative in the United States	December 23, 2022

NINE ENERGY SERVICE, INC.

as Issuer,

Each of the Guarantors from time to time party hereto,

as Guarantors,

and

[],

as Trustee

Indenture

Dated as of []

Providing for the Issuance

Of

Debt Securities

NINE ENERGY SERVICE, INC.
Reconciliation and tie between Trust Indenture Act of 1939
and Indenture, dated as of []

	Trust Indenture Act Section	Indenture Section
§ 310	(a)(1)	6.07
	(a)(2)	6.07
	(b)	6.09
§ 311	(a)	7.06
	(b)	7.06
§ 312	(a)	7.01
	(b)	7.01
	(c)	7.02
§ 313	(a)	7.03
	(b)(2)	7.03
	(d)	7.03
	(e)	7.03
§ 314	(a)	7.04
	(a)(4)	10.05
	(c)(1)	1.02
	(c)(2)	1.02
	(e)	1.02
§ 315	(a)	6.01
	(b)	6.01
	(c)	6.01
	(d)	6.01
§ 316	(a) (last sentence)	1.01 (“Outstanding”)
	(a)(1)(A)	5.02, 5.12
	(a)(1)(B)	5.13
	(b)	5.08
§ 317	(a)(1)	5.03
	(a)(2)	5.04
	(b)	10.03
§ 318	(a)	1.11
	(c)	1.11

NOTE: This reconciliation and tie shall not, for any purpose, be deemed to be a part of the Indenture.

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INDENTURE, dated as of [], by and among NINE ENERGY SERVICE, INC., a Delaware corporation (hereinafter called the “Company”), having its principal office at 2001 Kirby Drive, Suite 200, Houston, Texas 77019, the Guarantors (as defined herein) and [], as Trustee (hereinafter called the “Trustee”), having its Corporate Trust Office at [].

RECITALS OF THE COMPANY

The Company deems it necessary to issue from time to time for its lawful purposes debt securities (hereinafter called the “Securities”) evidencing its unsecured indebtedness, which may or may not be convertible into or exchangeable for any securities of any Person (including the Company), and has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of the Securities, to be issued in one or more series, unlimited as to principal amount, to bear such rates of interest, to mature at such times and to have such other provisions as shall be fixed as hereinafter provided.

This Indenture (as defined herein) is subject to the provisions of the Trust Indenture Act of 1939, as amended, that are required to be part of this Indenture and shall, to the extent applicable, be governed by such provisions.

All things necessary to make this Indenture a valid and legally binding agreement of the Company, in accordance with its terms, have been done.

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase of the Securities by the Holders (as defined herein) thereof, it is mutually covenanted and agreed, for the equal and proportionate benefit of all Holders of the Securities and coupons, or of a series thereof, as follows:

ARTICLE ONE

DEFINITIONS AND OTHER PROVISIONS OF GENERAL APPLICATION

Section 1.01 Definitions.

For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

(1) the terms defined in this Article have the meanings assigned to them in this Article, and include the plural as well as the singular and, pursuant to Section 3.01, any such item may, with respect to any particular series of Securities, be amended or modified or specified as being inapplicable;

(2) all other terms used herein which are defined in the Trust Indenture Act (as defined herein), either directly or by reference therein, have the meanings assigned to them therein, and the terms “cash transaction” and “self-liquidating paper”, as used in Section 311 of the Trust Indenture Act, shall have the meanings assigned to them in the rules of the Commission (as defined herein) adopted under the Trust Indenture Act;

(3) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles in the United States of America; and

(4) the words “herein”, “hereof” and “hereunder” and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

Certain terms, used principally in Article Three, Article Five, Article Six and Article Ten, are defined in those Articles.

“Act”, when used with respect to any Holder of a Security, has the meaning specified in Section 1.04.

“Additional Amounts” means any additional amounts which are required by a Security or by or pursuant to a Board Resolution, under circumstances specified therein, to be paid by the Company in respect of certain taxes, assessments or other government charges imposed on certain Holders and which are owing to such Holders.

“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 the purposes of this definition, “control” when used with respect to any specified Person means the power to direct the management and policies of such Person, directly or indirectly, whether through the ownership of voting securities, by contract or otherwise; and the terms “controlling” and “controlled” have meanings correlative to the foregoing.

“Authenticating Agent” means any authenticating agent appointed by the Trustee pursuant to Section 6.12 to act on behalf of the Trustee to authenticate Securities of one or more series.

“Authorized Newspaper” means a newspaper, in the English language or in an official language of the country of publication, customarily published on each Business Day, whether or not published on Saturdays, Sundays or holidays, and of general circulation in each place in connection with which the term is used or in the financial community of each such place. Where successive publications are required to be made in Authorized Newspapers, the successive publications may be made in the same or in different newspapers in the same city meeting the foregoing requirements and in each case on any Business Day.

“Bearer Security” means any Security established pursuant to Section 2.01 which is payable to bearer.

“Board of Directors” means the board of directors of the Company, the executive committee or any committee of that board duly authorized to act hereunder.

“Board Resolution” means a copy of one or more resolutions certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Trustee.

“Business Day”, when used with respect to any Place of Payment or any other particular location referred to in this Indenture or in the Securities, means, unless otherwise specified with respect to any Securities pursuant to Section 3.01, each Monday, Tuesday, Wednesday, Thursday and Friday which is not a day on which banking institutions in that Place of Payment or particular location are authorized or obligated by law, regulation or executive order to close.

“Commission” means the Securities and Exchange Commission, as from time to time constituted, created under the Securities Exchange Act of 1934, or, if at any time after execution of this instrument such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties on such date.

“Company” means the Person named as the “Company” in the first paragraph of this Indenture until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Company” shall mean such successor Person.

“Company Request” and “Company Order” mean, respectively, a written request or order, as the case may be, signed in the name of the Company by any one of the Chairman, the Chief Executive Officer, the President or a Vice President, the Chief Financial Officer, the Chief Accounting Officer, the General Counsel or the Secretary, and delivered to the Trustee.

“Conversion Date” has the meaning specified in Section 3.12(d).

“Conversion Event” means the cessation of use of (i) a Foreign Currency both by the government of the country which issued such currency and for the settlement of transactions by a central bank or other public institutions of or within the international banking community or (ii) any currency unit (or composite currency) for the purposes for which it was established.

“Corporate Trust Office” means the office of the Trustee at which, at any particular time, its corporate trust business shall be principally administered, which office at the date hereof is located at [].

“corporation” includes corporations, limited liability companies, associations, companies and business trusts.

“coupon” means any interest coupon appertaining to a Bearer Security.

“Currency” means Dollars or the Foreign Currency, as the case may be, in which such payment, deposit or other transfer is required to be made by or pursuant to the terms hereof of such Security and, with respect to any other payment, deposit or transfer pursuant to or contemplated by the terms hereof or such Security, means Dollars.

“Default” means any event which is, or after notice or passage of time or both would be, an Event of Default.

“Defaulted Interest” has the meaning specified in Section 3.07.

“Depository” means, with respect to Securities of any series issuable in whole or in part in the form of one or more global Securities, a clearing agency registered under the Exchange Act that is designated to act as Depository for such Securities as contemplated by Section 3.01.

“Dollar” or “\$” means a dollar or other equivalent unit in such coin or currency of the United States of America as at the time shall be legal tender for the payment of public and private debts.

“Election Date” has the meaning specified in Section 3.12(h).

“Event of Default” has the meaning specified in Article Five.

“Exchange Date” has the meaning specified in Section 3.04.

“Exchange Rate Agent”, with respect to Securities of or within any series, means, unless otherwise specified with respect to any Securities pursuant to Section 3.01, a New York Clearing House bank designated pursuant to Section 3.01 or Section 3.13.

“Exchange Rate Officer’s Certificate” means a certificate setting forth (i) the applicable Market Exchange Rate or the applicable bid quotation and (ii) the Dollar or Foreign Currency amounts of principal (and premium, if any) and interest, if any (on an aggregate basis and on the basis of a Security having the lowest denomination principal amount determined in accordance with Section 3.02 in the relevant Currency), payable with respect to a Security of any series on the basis of such Market Exchange Rate or the applicable bid quotation signed by the Chief Financial Officer or any Vice President of the Company.

“Foreign Currency” means any Currency, including, without limitation, the euro issued by the government of one or more countries other than the United States of America or by any recognized confederation or association of such governments.

“Generally Accepted Accounting Principles” or “GAAP” means generally accepted accounting principles in the United States, consistently applied, which are in effect on the date of this Indenture.

“Government Obligations” means securities which are (i) direct obligations of the United States of America or the government which issued the Foreign Currency in which the Securities of a particular series are payable, 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 or such government which issued the Foreign Currency in which the Securities of such series are payable, the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States of America or such other government, which, in either case, are 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 Government Obligation or a specific

payment of interest on or principal of any such 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 Government Obligation or the specific payment of interest on or principal of the Government Obligation evidenced by such depository receipt.

“Guarantee” has the meaning specified in Section 16.02.

“Guarantor” means a Subsidiary of the Company that executes a Guarantee pursuant to Section 16.02 hereof; provided, that, any Person constituting a Guarantor as described above shall cease to constitute a Guarantor when its Guarantee is released in accordance with the terms of this Indenture.

“Holder” means, in the case of a Registered Security, the Person in whose name a Security is registered in the Security Register and, in the case of a Bearer Security, the bearer thereof and, when used with respect to any coupon, shall mean the bearer thereof.

“Indenture” means this instrument as originally executed or as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof, and, with respect to any Security, shall include the terms of the particular series of Security established as contemplated by Section 3.01; provided, however, that, if at any time more than one Person is acting as Trustee under this instrument, “Indenture” shall mean, with respect to any one or more series of Securities for which such Person is Trustee, this instrument as originally executed or as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof and shall include the terms of the or those particular series of Securities for which such Person is Trustee established as contemplated by Section 3.01, exclusive, however, of any provisions or terms which relate solely to other series of Securities for which such Person is not Trustee, regardless of when such terms or provisions were adopted, and exclusive of any provisions or terms adopted by means of one or more indentures supplemental hereto executed and delivered after such Person had become such Trustee but to which such Person, as such Trustee, was not a party.

“Indexed Security” means a Security as to which all or certain interest payments and/or the principal amount payable at Maturity are determined by reference to prices, changes in prices, or differences between prices, of securities, Currencies, intangibles, goods, articles or commodities or by such other objective price, economic or other measures as are specified in Section 3.01 hereof.

“Interest” means any interest specified in any Security as being payable with respect to such Security and, when used with respect to an Original Issue Discount Security which by its terms bears interest only after Maturity, means interest payable after Maturity, and, when used with respect to a Security which provides for the payment of Additional Amounts pursuant to Section 10.04, includes such Additional Amounts.

“Interest Payment Date”, when used with respect to any Security, means the Stated Maturity of an installment of interest on such Security.

“Junior Subordinated Security” or “Junior Subordinated Securities” means any Security or Securities designated pursuant to Section 3.01 as a Junior Subordinated Security.

“Junior Subordinated Indebtedness” means the principal of (and premium, if any) and unpaid interest on (a) indebtedness of the Company (including indebtedness of others guaranteed by the Company), whether outstanding on the date hereof or thereafter created, incurred, assumed or guaranteed, for money borrowed, which in the instrument creating or evidencing the same or pursuant to which the same is outstanding it is provided that such indebtedness ranks junior in right of payment to the Company’s Senior Indebtedness and Senior Subordinated Indebtedness and equally and *pari passu* in right of payment to any other Junior Subordinated Indebtedness, (b) Junior Subordinated Securities, and (c) renewals, extensions, modifications and refinancings of any such indebtedness.

“Market Exchange Rate” means, unless otherwise specified with respect to any Securities pursuant to Section 3.01, (i) for any conversion involving a currency unit on the one hand and Dollars or any Foreign Currency on the other, the exchange rate between the relevant currency unit and Dollars or such Foreign Currency calculated by the method specified pursuant to Section 3.01 for the Securities of the relevant series, (ii) for any conversion of Dollars into any Foreign Currency, the noon buying rate for such Foreign Currency for cable transfers quoted in New York City as certified for customs purposes by the Federal Reserve Bank of New York and (iii) for any conversion of one Foreign Currency into Dollars or another Foreign Currency, the spot rate at noon local time in the relevant market at which, in accordance with normal banking procedures, the Dollars or Foreign Currency into which conversion is being made could be purchased with the Foreign Currency from which conversion is being made from major banks located in either New York City, London or any other principal market for Dollars or such purchased Foreign Currency, in each case determined by the Exchange Rate Agent. Unless otherwise specified with respect to any Securities pursuant to Section 3.01, in the event of the unavailability of any of the exchange rates provided for in the foregoing clauses (i), (ii) and (iii), the Exchange Rate Agent shall use, in its sole discretion and without liability on its part, such quotation of the Federal Reserve Bank of New York as of the most recent available date, or quotations from one or more major banks in New York City, London or other principal market for such currency or currency unit in question, or such other quotations as the Exchange Rate Agent shall deem appropriate. Unless otherwise specified by the Exchange Rate Agent, if there is more than one market for dealing in any currency or currency unit by reason of foreign exchange regulations or otherwise, the market to be used in respect of such currency or currency unit shall be that upon which a nonresident issuer of securities designated in such currency or currency unit would purchase such currency or currency unit in order to make payments in respect of such securities.

“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 the Stated Maturity or by declaration of acceleration, notice of redemption or repurchase, notice of option to elect repayment, notice of exchange or conversion or otherwise.

“Notice of Default” has the meaning provided in Section 5.01.

“Officers’ Certificate” means a certificate signed by any of the Chairman, the Vice Chairman, the Chief Executive Officer, the President or any Vice President, the Chief Financial Officer, the Chief Operating Officer, the Secretary or an Assistant Secretary, the Treasurer or an Assistant Treasurer of the Company, and delivered to the Trustee.

“Opinion of Counsel” means a written opinion of counsel, who may be counsel for the Company or who may be an employee of or other counsel for the Company.

“Original Issue Discount Security” means any Security which provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 5.02.

“Outstanding”, when used with respect to Securities or any series of Securities, means, as of the date of determination, all Securities or all Securities of such series, as the case may be, theretofore authenticated and delivered under this Indenture, except:

(i) Securities theretofore cancelled by the Trustee or the Security Registrar or delivered to, or accepted by, the Trustee or the Security Registrar for cancellation;

(ii) Securities, or portions thereof, for whose payment or redemption or repayment at the option of the Holder money in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Securities and any coupons appertaining thereto, provided, that, if such Securities are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provision therefor satisfactory to the Trustee has been made;

(iii) Securities, except to the extent provided in Sections 14.02 and 14.03, with respect to which the Company has effected defeasance and/or covenant defeasance as provided in Article Fourteen;

(iv) Securities which have been paid pursuant to Section 3.06 or in exchange for or in lieu of which other Securities have been authenticated and delivered pursuant to this Indenture, other than any such Securities in respect of which there shall have been presented to the Trustee proof satisfactory to it that such Securities are held by a protected purchaser in whose hands such Securities are valid obligations of the Company; and

(v) Securities converted or exchanged as contemplated herein into capital stock or other securities, cash or other property, if the terms of such Securities provide for such conversion or exchange pursuant to Section 3.01;

provided, however, that in determining whether the Holders of the requisite principal amount of the Outstanding Securities have given any request, demand, authorization, direction, notice, consent or waiver hereunder or are present at a meeting of Holders for quorum purposes, and for the purpose of making the calculations required by TIA Section 313, (i) the principal amount of an Original Issue Discount Security that may be counted in making such determination or calculation and that shall be deemed to be Outstanding for such purpose shall be equal to the amount of principal thereof that would be (or shall have been declared to be) due and payable, at the time of such determination, upon a declaration of acceleration of the Maturity thereof pursuant to Section 5.02, (ii) the principal amount of any Security denominated in a Foreign Currency that may be counted in making such determination or calculation and that shall be deemed Outstanding for such purpose shall be equal to the Dollar equivalent, determined as of the date such Security is originally issued by the Company as set forth in an Exchange Rate Officer's Certificate delivered to the Trustee, of the principal amount (or, in the case of an Original Issue Discount Security or Indexed Security, the Dollar equivalent as of such date of original issuance of the amount determined as provided in clause (i) above or (iii) below, respectively) of such Security, (iii) the principal amount of any Indexed Security that may be counted in making such determination or calculation and that shall be deemed outstanding for such purpose shall be equal to the principal face amount of such Indexed Security at original issuance, unless otherwise provided with respect to such Security pursuant to Section 3.01, and (iv) Securities owned by the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in making such calculation or in relying upon any such request, demand, authorization, direction, notice, consent or waiver or upon any such determination as to the presence of a quorum, only Securities which a Responsible Officer of the Trustee actually knows to be so owned shall be so disregarded. Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor.

"Paying Agent" means any Person authorized by the Company to pay the principal of (or premium, if any) or interest, if any, on any Securities or coupons on behalf of the Company.

"Person" means any individual, corporation, partnership, joint venture, association, joint-stock company, limited liability company, trust, unincorporated organization or government or any agency or political subdivision thereof, or any other entity.

"Place of Payment", when used with respect to the Securities of or within any series, means the place or places where the principal of (and premium, if any) and interest, if any, on such Securities are payable as specified and as contemplated by Sections 3.01 and 10.02.

"Predecessor Security" of any particular Security means every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security; and, for the purposes of this definition, any Security authenticated and delivered under Section 3.06 in exchange for or in lieu of a mutilated, destroyed, lost or stolen Security shall be deemed to evidence the same debt as the mutilated, destroyed, lost or stolen Security.

"Redemption Date", when used with respect to any Security to be redeemed, in whole or in part, means the date fixed for such redemption by or pursuant to this Indenture.

"Redemption Price", when used with respect to any Security to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture.

“Registered Security” means any Security which is registered in the Security Register.

“Regular Record Date” for the interest payable on any Interest Payment Date on the Registered Securities of or within any series means the date specified for that purpose as contemplated by Section 3.01, whether or not a Business Day.

“Repayment Date” means, when used with respect to any Security to be repaid at the option of the Holder, means the date fixed for such repayment by or pursuant to this Indenture.

“Repayment Price” means, when used with respect to any Security to be repaid at the option of the Holder, means the price at which it is to be repaid by or pursuant to this Indenture.

“Responsible Officer”, when used with respect to the Trustee, means any officer of the Trustee assigned by the Trustee to administer its corporate trust matters and who shall have direct responsibility for the administration of this Indenture.

“Security” or “Securities” has the meaning stated in the first recital of this Indenture and, more particularly, means any Security or Securities authenticated and delivered under this Indenture; provided, however, that, if at any time there is more than one Person acting as Trustee under this Indenture, “Securities” with respect to the Indenture as to which such Person is Trustee shall have the meaning stated in the first recital of this Indenture and shall more particularly mean Securities authenticated and delivered under this Indenture, exclusive, however, of Securities of any series as to which such Person is not Trustee.

“Security Register” and “Security Registrar” have the respective meanings specified in Section 3.05.

“Senior Indebtedness” means the principal of (and premium, if any) and unpaid interest on (a) indebtedness of the Company (including indebtedness of others guaranteed by the Company), whether outstanding on the date hereof or thereafter created, incurred, assumed or guaranteed, for money borrowed, unless in the instrument creating or evidencing the same or pursuant to which the same is outstanding it is provided that such indebtedness is not senior or prior in right of payment to Subordinated Indebtedness and (b) renewals, extensions, modifications and refinancings of any such indebtedness.

“Senior Security” or “Senior Securities” means any Security or Securities designated pursuant to Section 3.01 as a Senior Security.

“Senior Subordinated Indebtedness” means the principal of (and premium, if any) and unpaid interest on (a) indebtedness of the Company (including indebtedness of others guaranteed by the Company), whether outstanding on the date hereof or thereafter created, incurred, assumed or guaranteed, for money borrowed, which in the instrument creating or evidencing the same or pursuant to which the same is outstanding it is provided that such indebtedness ranks junior in right of payment to the Company’s Senior Indebtedness, equally and *pari passu* in right of payment with all other Senior Subordinated Indebtedness and senior in right of payment to any Junior Subordinated Indebtedness, (b) Senior Subordinated Securities, and (c) renewals, extensions, modifications and refinancings of any such indebtedness.

“Special Record Date” for the payment of any Defaulted Interest on the Registered Securities of or within any series means a date fixed by the Trustee pursuant to Section 3.07.

“Stated Maturity”, when used with respect to any Security or any installment of principal thereof or interest thereon, means the date specified in such Security or a coupon representing such installment of interest as the fixed date on which the principal of such Security or such installment of principal or interest is due and payable, as such date may be extended pursuant to the provisions of Section 3.08.

“Subordinated Indebtedness” means any Senior Subordinated Indebtedness or Junior Subordinated Indebtedness.

“Subsidiary” means any Person a majority of the outstanding voting stock of which is owned, directly or indirectly, by the Company or by one or more other Subsidiaries of the Company. For the purposes of this definition, “voting stock” means stock having voting power for the election of directors, whether at all times or only so long as no senior class of stock has such voting power by reason of any contingency.

“Trust Indenture Act” or “TIA” means the Trust Indenture Act of 1939, as amended, as in force at the date as of which this Indenture was executed, except as provided in Section 9.05.

“Trustee” means the Person named as the “Trustee” in the first paragraph of this Indenture until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Trustee” shall mean or include each Person who is then a Trustee hereunder; provided, however, that, if at any time there is more than one such Person, “Trustee” as used with respect to the Securities of any series shall mean only the Trustee with respect to Securities of that series.

“United States” means, unless otherwise specified with respect to any Securities pursuant to Section 3.01, the United States of America (including the states and the District of Columbia), its territories, its possessions and other areas subject to its jurisdiction.

“United States person” means, unless otherwise specified with respect to any Securities pursuant to Section 3.01, any individual who is a citizen or resident of the United States, a corporation, partnership or other entity created or organized in or under the laws of the United States, any state thereof or the District of Columbia (other than a partnership that is not treated as a United States Person under any applicable Treasury regulations), any estate the income of which is subject to United States federal income taxation regardless of its source, or any trust if a court within the United States is able to exercise primary supervision over the administration of the trust and one or more United States persons have the authority to control all substantial decisions of the trust. Notwithstanding the preceding sentence, to the extent provided in the Treasury regulations, certain trusts in existence on August 20, 1996, and treated as United States persons prior to such date that elect to continue to be treated as United States Persons, will also be United States persons.

“Valuation Date” has the meaning specified in Section 3.12(c).

“Yield to Maturity” means the yield to maturity, computed at the time of issuance of a Security (or, if applicable, at the most recent redetermination of interest on such Security) and as set forth in such Security in accordance with generally accepted United States bond yield computation principles.

Section 1.02 Compliance Certificates and Opinions.

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall furnish to the Trustee an Officers’ Certificate stating that all conditions precedent, if any, provided for in this Indenture relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent, if any, have been complied with, except that in the case of any such application or request as to which the furnishing of such documents is specifically required by any provision of this Indenture relating to such particular application or request, no additional certificate or opinion need be furnished.

Every certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture (other than pursuant to Section 10.05) shall include:

- (1) a statement that each individual signing such certificate or opinion has read such condition or covenant and the definitions herein relating thereto;
- (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 each such individual, he or she has made such examination or investigation as is necessary to enable such individual to express an informed opinion as to whether or not such condition or covenant has been complied with; and

(4) a statement as to whether, in the opinion of each such individual, such condition or covenant has been complied with.

Section 1.03 Form of Documents Delivered to Trustee.

In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion as to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon an Opinion of Counsel, or a certificate or representations by counsel, unless such officer knows, or in the exercise of reasonable care should know, that the opinion, certificate or representations with respect to the matters upon which his certificate or opinion is based are erroneous. Any such Opinion of Counsel or certificate or representations may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information as to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations as to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

Section 1.04 Acts of Holders.

(a) Any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders of Securities of all series or one or more series, as the case may be, may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by agents duly appointed in writing. If Securities of a series are issuable as Bearer Securities, any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders of Securities of such series may, alternatively, be embodied in and evidenced by the record of Holders of Securities of such series voting in favor thereof, either in person or by proxies duly appointed in writing, at any meeting of Holders of Securities of such series duly called and held, or a combination of such instruments and any such record. Except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments or record or both are delivered to the Trustee and, where it is hereby expressly required, to the Company. Such instrument or instruments and any such record (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments or so voting at any such meeting. Proof of execution of any such instrument or of a writing appointing any such agent, or of the holding by any Person of a Security, shall be sufficient for any purpose of this Indenture and conclusive in favor of the Trustee and the Company and any agent of the Trustee or the Company, if made in the manner provided in this Section.

(b) The fact and date of the execution by any Person of any such instrument or writing may be proved by the affidavit of a witness of such execution or by a certificate of a notary public or other officer authorized by law to take acknowledgments of deeds, certifying that the individual signing such instrument or writing acknowledged to him or her the execution thereof. Where such execution is by a signer acting in a capacity other than his individual capacity, such certificate or affidavit shall also constitute sufficient proof of his authority. The fact and date of the execution of any such instrument or writing, or the authority of the Person executing the same, may also be proved in any other manner that the Trustee deems reasonably sufficient.

(c) The ownership of Registered Securities shall be proved by the Security Register.

(d) The ownership of Bearer Securities may be proved by the production of such Bearer Securities or by a certificate executed, as depositary, by any trust company, bank, banker or other depositary, wherever situated, if such certificate shall be deemed by the Trustee to be satisfactory, showing that at the date therein mentioned such Person had on deposit with such depositary, or exhibited to it, the Bearer Securities therein described; or such facts may be proved by the certificate or affidavit of the Person holding such Bearer Securities, if such certificate or affidavit is deemed by the Trustee to be satisfactory. The Trustee and the Company may assume that such ownership of any Bearer Security continues until (1) another certificate or affidavit bearing a later date issued in respect of the same Bearer Security is produced, or (2) such Bearer Security is produced to the Trustee by some other Person, or (3) such Bearer Security is surrendered in exchange for a Registered Security, or (4) such Bearer Security is no longer Outstanding. The ownership of Bearer Securities may also be proved in any other manner that the Trustee deems reasonably sufficient.

(e) If the Company shall solicit from the Holders of Securities any request, demand, authorization, direction, notice, consent, waiver or other Act, the Company may, at its option, in or pursuant to a Board Resolution, fix in advance a record date for the determination of Holders entitled to give such request, demand, authorization, direction, notice, consent, waiver or other Act, but the Company shall have no obligation to do so. Notwithstanding TIA Section 316(c), such record date shall be the record date specified in or pursuant to such Board Resolution, which shall be a date not earlier than the date 30 days prior to the first solicitation of Holders generally in connection therewith and not later than the date such solicitation is completed. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other Act may be given before or after such record date, but only the Holders of record at the close of business on such record date shall be deemed to be Holders for the purposes of determining whether Holders of the requisite proportion of Outstanding Securities have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other Act, and for that purpose the Outstanding Securities shall be computed as of such record date; provided, that, no such authorization, agreement or consent by the Holders on such record date shall be deemed effective unless it shall become effective pursuant to the provisions of this Indenture not later than six months after the record date.

(f) Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Security shall bind every future Holder of the same Security and the Holder of every Security issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, omitted or suffered to be done by the Trustee, any Security Registrar, any Paying Agent, any Authenticating Agent or the Company in reliance thereon, whether or not notation of such action is made upon such Security.

Section 1.05 Notices, Etc., to Trustee, Company and the Guarantors.

Any request, demand, authorization, direction, notice, consent, waiver or Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

(1) the Trustee by any Holder or by the Company or any other obligor of the Securities shall be sufficient for every purpose hereunder if made, given, furnished, filed or mailed, first-class postage prepaid in writing to or with the Trustee at its Corporate Trust Office, or

(2) the Company or any Guarantor by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to the Company addressed to it at the address of its principal office specified in the first paragraph of this Indenture, to the attention of its Secretary or at any other address previously furnished in writing to the Trustee by the Company.

Section 1.06 Notice to Holders; Waiver.

Where this Indenture provides for notice of any event to Holders of Registered Securities by the Company or the Trustee, such notice shall be sufficiently given (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to each such Holder affected by such event, at his address as it appears in the Security Register, not later than the latest date, and not earlier than the earliest date, prescribed for the giving of such notice. In any case where notice to Holders of Registered Securities is given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder shall affect the sufficiency of such notice

with respect to other Holders of Registered Securities or the sufficiency of any notice to Holders of Bearer Securities given as provided herein. Any notice mailed to a Holder in the manner herein prescribed shall be conclusively deemed to have been received by such Holder, whether or not such Holder actually receives such notice.

If by reason of the suspension of or irregularities in regular mail service or by reason of any other cause it shall be impracticable to give such notice by mail, then such notification to Holders of Registered Securities as shall be made with the approval of the Trustee shall constitute a sufficient notification to such Holders for every purpose hereunder.

Except as otherwise expressly provided herein or otherwise specified with respect to any Securities pursuant to Section 3.01, where this Indenture provides for notice to Holders of Bearer Securities of any event, such notice shall be sufficiently given if published in an Authorized Newspaper in The City of New York and in such other city or cities as may be specified in such Securities on a Business Day, such publication to be not later than the latest date, and not earlier than the earliest date, prescribed for the giving of such notice. Any such notice shall be deemed to have been given on the date of such publication or, if published more than once, on the date of the first such publication.

If by reason of the suspension of publication of any Authorized Newspaper or Authorized Newspapers or by reason of any other cause it shall be impracticable to publish any notice to Holders of Bearer Securities as provided above, then such notification to Holders of Bearer Securities as shall be given with the approval of the Trustee shall constitute sufficient notice to such Holders for every purpose hereunder. Neither the failure to give notice by publication to Holders of Bearer Securities as provided above, nor any defect in any notice so published, shall affect the sufficiency of such notice with respect to other Holders of Bearer Securities or the sufficiency of any notice to Holders of Registered Securities given as provided herein.

Any request, demand, authorization, direction, notice, consent or waiver required or permitted under this Indenture shall be in the English language, except that any published notice may be in an official language of the country of publication.

Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

Section 1.07 Effect of Headings and Table of Contents.

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

Section 1.08 Successors and Assigns.

All covenants and agreements in this Indenture by the Company and any Guarantor shall bind its successors and assigns, whether so expressed or not.

Section 1.09 Separability Clause.

In case any provision in this Indenture or in any Security or coupon 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.

Section 1.10 Benefits of Indenture.

Nothing in this Indenture or in the Securities or coupons, express or implied, shall give to any Person, other than the parties hereto, any Security Registrar, any Paying Agent, any Authenticating Agent and their successors hereunder and the Holders any benefit or any legal or equitable right, remedy or claim under this Indenture.

Section 1.11 Governing Law.

This Indenture and the Securities and coupons shall be governed by and construed in accordance with the law of the State of New York. This Indenture is subject to the provisions of the Trust Indenture Act that are required to be part of this Indenture and shall, to the extent applicable, be governed by such provisions.

Section 1.12 Legal Holidays.

In any case where any Interest Payment Date, Redemption Date, Repayment Date, sinking fund payment date, Stated Maturity or Maturity of any Security shall not be a Business Day at any Place of Payment, then (notwithstanding any other provision of this Indenture or any Security or coupon other than a provision in the Securities of any series which specifically states that such provision shall apply in lieu of this Section), payment of principal (or premium, if any) or interest, if any, need not be made at such Place of Payment on such date, but may be made on the next succeeding Business Day at such Place of Payment with the same force and effect as if made on the Interest Payment Date, Redemption Date, Repayment Date or sinking fund payment date, or at the Stated Maturity or Maturity; provided, that, no interest shall accrue on the amount so payable for the period from and after such Interest Payment Date, Redemption Date, Repayment Date, sinking fund payment date, Stated Maturity or Maturity, as the case may be.

Section 1.13 Submission to Jurisdiction.

The Company hereby irrevocably submits to the non-exclusive jurisdiction of any New York state or federal court sitting in The City of New York in any action or proceeding arising out of or relating to the Indenture and the Securities of any series, and the Company hereby irrevocably agrees that all claims in respect of such action or proceeding may be heard and determined in such New York state or federal court. The Company hereby irrevocably waives, to the fullest extent it may effectively do so, the defense of an inconvenient forum to the maintenance of such action or proceeding.

Section 1.14 Conflict with Trust Indenture Act.

If any provision hereof limits, qualifies or conflicts with any provision of the Trust Indenture Act or another provision which is required or deemed to be included in this Indenture by any of the provisions of the Trust Indenture Act, the provision or requirement of the Trust Indenture Act shall control. If any provision of this Indenture modifies or excludes any provision of the Trust Indenture Act that may be so modified or excluded, the latter provision shall be deemed to apply to this Indenture as so modified or to be excluded, as the case may be.

Section 1.15 Counterparts.

This Indenture may be executed in any number of counterparts, each of which shall be an original; but such counterparts shall together constitute but one and the same instrument.

ARTICLE TWO SECURITIES FORMS

Section 2.01 Forms of Securities.

The Registered Securities, if any, of each series and the Bearer Securities, if any, of each series and related coupons, the temporary global Securities of each series, if any, and the permanent global Securities of each series, if any, to be endorsed thereon shall be in substantially in the form included in Exhibit A or substantially in the forms as shall be established in one or more indentures supplemental hereto or approved from time to time by or pursuant to a Board Resolution in accordance with Section 3.01, shall have such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture or any indenture supplemental hereto, and may have such letters, numbers or other marks of identification or designation and such legends or endorsements placed thereon as the Company may deem appropriate and as are not inconsistent with the provisions of this Indenture, or as may be required to comply with any law or with any rule or regulation made pursuant thereto or with any rule or regulation of any stock exchange on which the Securities may be listed, or to conform to usage.

Unless otherwise specified as contemplated by Section 3.01, Bearer Securities shall have interest coupons attached.

The definitive Securities and coupons shall be printed, lithographed or engraved or produced by any combination of these methods on a steel engraved border or steel engraved borders or may be produced in any other manner, all as determined by the officers executing such Securities or coupons, as evidenced by their execution of such Securities or coupons.

Section 2.02 Form of Trustee's Certificate of Authentication.

Subject to Section 6.11, the Trustee's certificate of authentication shall be in substantially the following form:

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

[], as Trustee

By: _____
Authorized Officer

Section 2.03 Securities Issuable in Global Form.

If Securities of or within a series are issuable in global form, as specified as contemplated by Section 3.01, then, notwithstanding clause (8) of Section 3.01 and the provisions of Section 3.02, any such Security shall represent such of the Outstanding Securities of such series as shall be specified therein and may provide that it shall represent the aggregate amount of Outstanding Securities of such series from time to time endorsed thereon and that the aggregate amount of Outstanding Securities of such series represented thereby may from time to time be increased or decreased to reflect exchanges. Any endorsement of a Security in global form to reflect the amount, or any increase or decrease in the amount, of Outstanding Securities represented thereby shall be made by the Trustee or the Security Registrar in such manner and upon instructions given by such Person or Persons as shall be specified therein or in the Company Order to be delivered to the Trustee pursuant to Section 3.03 or 3.04. Subject to the provisions of Section 3.03 and, if applicable, Section 3.04, the Trustee or the Security Registrar shall deliver and redeliver any Security in permanent global form in the manner and upon instructions given by the Person or Persons specified therein or in the applicable Company Order. If a Company Order pursuant to Section 3.03 or 3.04 has been, or simultaneously is, delivered, any instructions by the Company with respect to endorsement, delivery or redelivery of a Security in global form shall be in writing but need not comply with Section 1.02 and need not be accompanied by an Opinion of Counsel.

The provisions of the last sentence of Section 3.03 shall apply to any Security represented by a Security in global form if such Security was never issued and sold by the Company and the Company delivers to the Trustee or the Security Registrar the Security in global form together with written instructions (which need not comply with Section 1.02 and need not be accompanied by an Opinion of Counsel) with regard to the reduction in the principal amount of Securities represented thereby, together with the written statement contemplated by the last sentence of Section 3.03.

Notwithstanding the provisions of Section 3.07, unless otherwise specified as contemplated by Section 3.01, payment of principal of (and premium, if any) and interest, if any, on any Security in permanent global form shall be made to the Person or Persons specified therein.

Notwithstanding the provisions of Section 3.09 and except as provided in the preceding paragraph, the Company, the Trustee and any agent of the Company and the Trustee shall treat as the Holder of such principal amount of Outstanding Securities represented by a permanent global Security (i) in the case of a permanent global Security in registered form, the Holder of such permanent global Security in registered form, or (ii) in the case of a permanent global Security in bearer form, the Depositary.

**ARTICLE THREE
THE SECURITIES**

Section 3.01 Amount Unlimited; Issuable in Series.

The aggregate principal amount of Securities which may be authenticated and delivered under this Indenture is unlimited.

The Securities may be issued in one or more series and shall be designated as Senior Securities, Senior Subordinated Securities or Junior Subordinated Securities or any such other designation as shall be set forth in an amendment or supplement hereto. Senior Securities are unsubordinated, shall rank equally and *pari passu* with all of the Company's Senior Indebtedness and senior to all Subordinated Securities. Senior Subordinated Securities shall rank junior to the Company's Senior Indebtedness, equally and *pari passu* with all other Senior Subordinated Indebtedness and senior to any Junior Subordinated Indebtedness. Junior Subordinated Securities shall rank junior to the Company's Senior Indebtedness and any Senior Subordinated Indebtedness and equally and *pari passu* with all other Junior Subordinated Indebtedness. There shall be established in one or more Board Resolutions or pursuant to authority granted by one or more Board Resolutions and, subject to Section 3.03, set forth, or determined in the manner provided, in an Officers' Certificate, or established in one or more indentures supplemental hereto, prior to the issuance of Securities of any series, any or all of the following, as applicable (each of which (except for the matters set forth in clauses (1), (2) and (15) below), if so provided, may be determined from time to time by the Company with respect to unissued Securities of the series when issued from time to time):

- (1) the title of the Securities of the series including CUSIP numbers (which shall distinguish the Securities of such series from all other series of Securities);
- (2) any limit upon the aggregate principal amount of the 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 Section 3.04, 3.05, 3.06, 9.06, 11.07 or 13.05, and except for any Securities which, pursuant to Section 3.03, are deemed never to have been authenticated and delivered hereunder);
- (3) the date or dates, or the method by which such date or dates will be determined or extended, on which the principal of the Securities of the series shall be payable;
- (4) the rate or rates at which the Securities of the series shall bear interest, if any, or the method by which such rate or rates shall be determined, the date or dates from which such interest shall accrue or the method by which such date or dates shall be determined, the Interest Payment Dates on which such interest will be payable and the Regular Record Date, if any, for the interest payable on any Registered Security on any Interest Payment Date, or the method by which such date shall be determined, and the basis upon which such interest shall be calculated if other than that of a 360-day year of twelve 30-day months;
- (5) the place or places, if any, other than or in addition to The City of New York where the principal of (and premium, if any) and interest, if any, on Securities of the series shall be payable, any Registered Securities of the series may be surrendered for registration of transfer, Securities of the series may be surrendered for exchange, where Securities of that series that are convertible or exchangeable may be surrendered for conversion or exchange, as applicable, and where notices or demands to or upon the Company in respect of the Securities of the series and this Indenture may be served;
- (6) the period or periods within which, or the date or dates on which, the price or prices at which, the Currency or Currencies in which, and other terms and conditions upon which Securities of the series may be redeemed, in whole or in part, at the option of the Company, if the Company is to have the option;
- (7) the obligation, if any, of the Company to redeem, repay or purchase Securities of the series pursuant to any sinking fund or analogous provision or at the option of a Holder thereof, and the period or periods within which or the date or dates on which, the price or prices at which, the Currency or Currencies in which, and other terms and conditions upon which Securities of the series shall be redeemed, repaid or purchased, in whole or in part, pursuant to such obligation;

(8) if other than denominations of \$1,000 and any integral multiple thereof, the denomination or denominations in which any Registered Securities of the series shall be issuable and, if other than denominations of \$5,000, the denomination or denominations in which any Bearer Securities of the series shall be issuable;

(9) if other than the Trustee, the identity of each Security Registrar and/or Paying Agent;

(10) if other than the principal amount thereof, the portion of the principal amount of Securities of the series that shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 5.02, upon redemption of the Securities of the series which are redeemable before their Stated Maturity, upon surrender for repayment at the option of the Holder, or which the Trustee shall be entitled to claim pursuant to Section 5.04 or the method by which such portion shall be determined;

(11) if other than Dollars, the Currency or Currencies in which payment of the principal of (or premium, if any) or interest, if any, on the Securities of the series shall be made or in which the Securities of the series shall be denominated and the particular provisions applicable thereto in accordance with, in addition to or in lieu of any of the provisions of Section 3.12;

(12) whether the amount of payments of principal of (or premium, if any) or interest, if any, on the Securities of the series may be determined with reference to an index, formula or other method (which index, formula or method may be based, without limitation, on one or more Currencies, commodities, equity indices or other indices), and the manner in which such amounts shall be determined;

(13) whether the principal of (or premium, if any) or interest, if any, on the Securities of the series are to be payable, at the election of the Company or a Holder thereof, in one or more Currencies other than that in which such Securities are denominated or stated to be payable, the period or periods within which (including the Election Date), and the terms and conditions upon which, such election may be made, and the time and manner of determining the exchange rate between the Currency or Currencies in which such Securities are denominated or stated to be payable and the Currency or Currencies in which such Securities are to be paid, in each case in accordance with, in addition to or in lieu of any of the provisions of Section 3.12;

(14) provisions, if any, granting special rights to the Holders of Securities of the series upon the occurrence of such events as may be specified;

(15) any deletions from, modifications of or additions to the Events of Default or covenants of the Company with respect to Securities of the series, whether or not such Events of Default or covenants are consistent with the Events of Default or covenants set forth herein;

(16) whether Securities of the series are to be issuable as Registered Securities, Bearer Securities (with or without coupons) or both, any restrictions applicable to the offer, sale or delivery of Bearer Securities and the terms upon which Bearer Securities of the series may be exchanged for Registered Securities of the series and vice versa (if permitted by applicable laws and regulations), whether any Securities of the series are to be issuable initially in temporary global form with or without coupons and whether any Securities of the series are to be issuable in permanent global form with or without coupons and, if so, whether beneficial owners of interests in any such permanent global Security may exchange such interests for Securities of such series in certificated form and of like tenor of any authorized form and denomination and the circumstances under which any such exchanges may occur, if other than in the manner provided in Section 3.05, whether Registered Securities of the series may be exchanged for Bearer Securities of the series (if permitted by applicable laws and regulations), whether Bearer Securities of the series may be exchanged for Registered Securities of the series, and the circumstances under which and the place or places where such exchanges may be made and if Securities of the series are to be issuable as a global Security, the identity of the depository for such series;

(17) the date as of which any Bearer Securities of the series and any temporary global Security representing Outstanding Securities of the series shall be dated if other than the date of original issuance of the first Security of the series to be issued;

(18) the Person to whom any interest on any Registered Security of the series shall be payable, if other than the Person in whose name such Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest, the manner in which, or the Person to whom, any interest on any Bearer Security of the series shall be payable, if otherwise than upon presentation and surrender of the coupons appertaining thereto as they severally mature, and the extent to which, or the manner in which, any interest payable on a temporary global Security on an Interest Payment Date will be paid if other than in the manner provided in Section 3.04; and the extent to which, or the manner in which, any interest payable on a permanent global Security on an Interest Payment Date will be paid if other than in the manner provided in Section 3.07;

(19) the applicability, if any, of Sections 14.02 and/or 14.03 to the Securities of the series and any provisions in modification of, in addition to or in lieu of any of the provisions of Article Fourteen;

(20) if the Securities of such series are to be issuable in definitive form (whether upon original issue or upon exchange of a temporary Security of such series) only upon receipt of certain certificates or other documents or satisfaction of other conditions, then the form and/or terms of such certificates, documents or conditions;

(21) whether, under what circumstances and the Currency in which, the Company will pay Additional Amounts as contemplated by Section 10.04 on the Securities of the series to any Holder who is not a United States Person (including any modification to the definition of such term) in respect of any tax, assessment or governmental charge and, if so, whether the Company will have the option to redeem such Securities rather than pay such Additional Amounts (and the terms of any such option);

(22) the designation of the initial Exchange Rate Agent, if any;

(23) if the Securities of the series are to be issued upon the exercise of warrants, the time, manner and place for such Securities to be authenticated and delivered;

(24) if the Securities of the series are to be convertible into or exchangeable for any securities of any Person (including the Company), the terms and conditions upon which such Securities will be so convertible or exchangeable; and

(25) any other terms of the series (which terms shall not be inconsistent with the provisions of this Indenture or the requirements of the Trust Indenture Act).

All Securities of any one series and the coupons appertaining to any Bearer Securities of such series shall be substantially identical except, in the case of Registered Securities, as to denomination and except as may otherwise be provided in or pursuant to the Board Resolution referred to above (subject to Section 3.03) and set forth in the Officers' Certificate referred to above or in any such indenture supplemental hereto. All Securities of any one series need not be issued at the same time and, unless otherwise provided, a series may be reopened, without the consent of the Holders, for issuances of additional Securities of such series.

If any of the terms of the Securities of any series are established by action taken pursuant to one or more Board Resolutions, a copy of an appropriate record of such action(s) shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officers' Certificate setting forth the terms of the Securities of such series.

Section 3.02 Denominations.

The Securities of each series shall be issuable in such denominations as shall be specified as contemplated by Section 3.01. With respect to Securities of any series denominated in Dollars, in the absence of any such provisions with respect to the Securities of any series, the Registered Securities of such series, other than Registered Securities issued in global form (which may be of any denomination) shall be issuable in denominations of \$1,000 and any integral multiple thereof, and the Bearer Securities of such series, other than Bearer Securities issued in global form (which may be of any denomination), shall be issuable in a denomination of \$5,000.

Section 3.03 Execution, Authentication, Delivery and Dating.

The Securities and any coupons appertaining thereto shall be executed on behalf of the Company by any one of its Chairman, Vice Chairman, Chief Executive Officer, President or any Vice President, Chief Financial Officer, Chief Operating Officer, Secretary or an Assistant Secretary, Treasurer or an Assistant Treasurer, under its corporate seal reproduced thereon, and attested by its Secretary or one of its Assistant Secretaries. The signature of any of these officers on the Securities and coupons may be manual or facsimile signatures of the present or any future such authorized officer and may be imprinted or otherwise reproduced on the Securities.

Securities or coupons bearing the manual or facsimile signatures of individuals who were at any time the proper officers of the Company shall bind the Company, notwithstanding that such individuals or any of them have ceased to hold such offices prior to the authentication and delivery of such Securities or did not hold such offices at the date of such Securities or coupons.

At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities of any series, together with any coupon appertaining thereto, executed by the Company, to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Securities, and the Trustee in accordance with the Company Order shall authenticate and deliver such Securities; provided, however, that, in connection with its original issuance, no Bearer Security shall be mailed or otherwise delivered to any location in the United States; and provided, further, that, unless otherwise specified with respect to any series of Securities pursuant to Section 3.01, a Bearer Security may be delivered in connection with its original issuance only if the Person entitled to receive such Bearer Security shall have furnished a certificate in the form set forth in such certificate as may be specified with respect to any series of Securities pursuant to Section 3.01, dated no earlier than 15 days prior to the earlier of the date on which such Bearer Security is delivered and the date on which any temporary Security first becomes exchangeable for such Bearer Security in accordance with the terms of such temporary Security and this Indenture. If any Security shall be represented by a permanent global Bearer Security, then, for purposes of this Section and Section 3.04, the notation of a beneficial owner's interest therein upon original issuance of such Security or upon exchange of a portion of a temporary global Security shall be deemed to be delivery in connection with its original issuance of such beneficial owner's interest in such permanent global Security. Except as permitted by Section 3.06, the Trustee shall not authenticate and deliver any Bearer Security unless all appurtenant coupons for interest then matured have been detached and cancelled. If all the Securities of any series are not to be issued at one time and if the Board Resolution or supplemental indenture establishing such series shall so permit, such Company Order may set forth procedures acceptable to the Trustee for the issuance of such Securities and determining the terms of particular Securities of such series, such as interest rate, maturity date, date of issuance and date from which interest shall accrue. In authenticating such Securities, and accepting the additional responsibilities under this Indenture in relation to such Securities, the Trustee shall be entitled to receive, and (subject to TIA Section 315(a) through 315(d)) shall be fully protected in relying upon,

(i) an Opinion of Counsel stating,

(a) that the form or forms of such Securities and any coupons have been established in conformity with the provisions of this Indenture;

(b) that the terms of such Securities and any coupons have been established in conformity with the provisions of this Indenture; and

(c) that such Securities, together with any coupons appertaining thereto, when completed by appropriate insertions and executed and delivered by the Company to the Trustee for authentication in accordance with this Indenture, authenticated and delivered by the Trustee in accordance with this Indenture and issued by the Company in the manner and subject to any conditions specified in such Opinion of Counsel, will constitute legal, valid and binding obligations of the Company, enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency, reorganization and other similar laws of general applicability relating to or affecting the enforcement of creditors' rights, to general equitable principles and to such other qualifications as such counsel shall conclude do not materially affect the rights of Holders of such Securities and any coupons; and

(ii) an Officers' Certificate stating, to the best of the knowledge of the signers of such certificate, that no Event of Default with respect to any of the Securities shall have occurred and be continuing.

Notwithstanding the provisions of Section 3.01 and of this Section 3.03, if all the Securities of any series are not to be issued at one time, it shall not be necessary to deliver an Officers' Certificate otherwise required pursuant to Section 3.01 or the Company Order, Opinion of Counsel or Officers' Certificate otherwise required pursuant to the preceding paragraph at the time of issuance of each Security of such series, but such order, opinion and certificates, with appropriate modifications to cover such future issuances, shall be delivered at or before the time of issuance of the first Security of such series.

If such form or terms have been so established, the Trustee shall not be required to authenticate such Securities if the issue of such Securities pursuant to this Indenture will affect the Trustee's own rights, duties, obligations or immunities under the Securities and this Indenture or otherwise in a manner which is not reasonably acceptable to the Trustee. Notwithstanding the generality of the foregoing, the Trustee will not be required to authenticate Securities denominated in a Foreign Currency if the Trustee reasonably believes that it would be unable to perform its duties with respect to such Securities.

Each Registered Security shall be dated the date of its authentication and each Bearer Security shall be dated as of the date specified as contemplated by Section 3.01.

No Security or coupon shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose unless there appears on such Security or Security to which such coupon appertains a certificate of authentication substantially in the form provided for herein duly executed by the Trustee or an Authenticating Agent by manual signature of an authorized signatory, and such certificate upon any Security shall be conclusive evidence, and the only evidence, that such Security has been duly authenticated and delivered hereunder and is entitled to the benefits of this Indenture. Notwithstanding the foregoing, if any Security shall have been authenticated and delivered hereunder but never issued and sold by the Company, and the Company shall deliver such Security to the Trustee for cancellation as provided in Section 3.10 together with a written statement (which need not comply with Section 1.02 and need not be accompanied by an Opinion of Counsel) stating that such Security has never been issued and sold by the Company, for all purposes of this Indenture such Security shall be deemed never to have been authenticated and delivered hereunder and shall never be entitled to the benefits of this Indenture.

Section 3.04 Temporary Securities.

(a) Pending the preparation of definitive Securities of any series, the Company may execute, and upon Company Order the Trustee shall authenticate and deliver, temporary Securities which are printed, lithographed, typewritten, mimeographed or otherwise produced, in any authorized denomination, substantially of the tenor of the definitive Securities in lieu of which they are issued, in registered form, or, if authorized, in bearer form with one or more coupons or without coupons, and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Securities may determine, as conclusively evidenced by their execution of such Securities. In the case of Securities of any series, such temporary Securities may be in global form.

Except in the case of temporary Securities in global form (which shall be exchanged in accordance with Section 3.04(b) or as otherwise provided in or pursuant to a Board Resolution), if temporary Securities of any series are issued, the Company will cause definitive Securities of that series to be prepared without unreasonable delay. After the preparation of definitive Securities of such series, the temporary Securities of such series shall be exchangeable for definitive Securities of such series upon surrender of the temporary Securities of such series at the office or agency of the Company in a Place of Payment for that series, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Securities of any series (accompanied by any non-matured coupons appertaining thereto), the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a like principal amount and like tenor of definitive Securities of the same series of authorized denominations; provided, however, that, no definitive Bearer Security shall be delivered in exchange for a temporary Registered

Security; and provided, further, that, a definitive Bearer Security shall be delivered in exchange for a temporary Bearer Security only in compliance with the conditions set forth in Section 3.03. Until so exchanged, the temporary Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Securities of such series.

(b) Unless otherwise provided in or pursuant to a Board Resolution, this Section 3.04(b) shall govern the exchange of temporary Securities issued in global form through the office of the Depositary, for credit to the respective accounts of the beneficial owners of such Securities (or to such other accounts as they may direct). If temporary Securities of any series are issued in global form, any such temporary global Security shall, unless otherwise provided therein, be delivered to the office of the Depositary, for credit to the respective accounts of the beneficial owners of such Securities (or to such other accounts as they may direct).

Without unnecessary delay but in any event not later than the date specified in, or determined pursuant to the terms of, any such temporary global Security (the “Exchange Date”), the Company shall deliver to the Trustee definitive Securities, in aggregate principal amount equal to the principal amount of such temporary global Security, executed by the Company. On or after the Exchange Date, such temporary global Security shall be surrendered by the Depositary to the Trustee, as the Company’s agent for such purpose, or to the Security Registrar, to be exchanged, in whole or from time to time in part, for definitive Securities without charge, and the Trustee shall authenticate and deliver, in exchange for each portion of such temporary global Security, an equal aggregate principal amount of definitive Securities of the same series of authorized denominations and of like tenor as the portion of such temporary global Security to be exchanged. The definitive Securities to be delivered in exchange for any such temporary global Security shall be in bearer form, registered form, permanent global bearer form or permanent global registered form, or any combination thereof, as specified as contemplated by Section 3.01, and, if any combination thereof is so specified, as requested by the beneficial owner thereof; provided, however, that, unless otherwise specified in such temporary global Security, upon such presentation by the Depositary, such temporary global Security is accompanied by a certificate dated the Exchange Date or a subsequent date and signed by the Depositary as to the portion of such temporary global Security held for its account then to be exchanged and a certificate dated the Exchange Date or a subsequent date and signed by the Depositary as to the portion of such temporary global Security held for its account then to be exchanged, each in the form as may be established pursuant to Section 3.01; and

provided, further, that, definitive Bearer Securities shall be delivered in exchange for a portion of a temporary global Security only in compliance with the requirements of Section 3.03.

Unless otherwise specified in such temporary global Security, the interest of a beneficial owner of Securities of a series in a temporary global Security shall be exchanged for definitive Securities of the same series and of like tenor following the Exchange Date when the account holder instructs the Depositary, as the case may be, to request such exchange on his behalf and delivers to the Depositary, as the case may be, a certificate in such form as may be established pursuant to Section 3.01, dated no earlier than 15 days prior to the Exchange Date, copies of which certificate shall be available from the offices of the Depositary, the Trustee, any Authenticating Agent appointed for such series of Securities and each Paying Agent. Unless otherwise specified in such temporary global Security, any such exchange shall be made free of charge to the beneficial owners of such temporary global Security, except that a Person receiving definitive Securities must bear the cost of insurance, postage, transportation and the like unless such Person takes delivery of such definitive Securities in person at the offices of the Depositary. Definitive Securities in bearer form to be delivered in exchange for any portion of a temporary global Security shall be delivered only outside the United States.

Until exchanged in full as hereinabove provided, the temporary Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Securities of the same series and of like tenor authenticated and delivered hereunder, except that, unless otherwise specified as contemplated by Section 3.01, interest payable on a temporary global Security on an Interest Payment Date for Securities of such series occurring prior to the applicable Exchange Date shall be payable to the Depositary on such Interest Payment Date upon delivery by the Depositary to the Trustee or the applicable Paying Agent of a certificate or certificates in the form as may be established pursuant to Section 3.01 for credit without further interest on or after such Interest Payment Date to the respective accounts of Persons who are the beneficial owners of such temporary global Security on such Interest Payment Date and who have each delivered to the Depositary, as the case may be, a certificate dated no

earlier than 15 days prior to the Interest Payment Date occurring prior to such Exchange Date in the form as may be established pursuant to Section 3.01. Notwithstanding anything to the contrary herein contained, the certifications made pursuant to this paragraph shall satisfy the certification requirements of the preceding two paragraphs of this Section 3.04(b) and of the third paragraph of Section 3.03 of this Indenture and the interests of the Persons who are the beneficial owners of the temporary global Security with respect to which such certification was made will be exchanged for definitive Securities of the same series and of like tenor on the Exchange Date or the date of certification if such date occurs after the Exchange Date, without further act or deed by such beneficial owners. Except as otherwise provided in this paragraph, no payments of principal (or premium, if any) or interest, if any, owing with respect to a beneficial interest in a temporary global Security will be made unless and until such interest in such temporary global Security shall have been exchanged for an interest in a definitive Security. Any interest so received by the Depository and not paid as herein provided shall be returned to the Trustee or the applicable Paying Agent immediately prior to the expiration of two years after such Interest Payment Date in order to be repaid to the Company.

Section 3.05 Registration, Transfer and Exchange.

The Company shall cause to be kept at the Corporate Trust Office of the Trustee or in any office or agency of the Company in a Place of Payment a register for each series of Securities (the registers maintained in such office or in any such office or agency of the Company in a Place of Payment being herein sometimes referred to collectively as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Registered Securities and of transfers of Registered Securities. The Security Register shall be in written form or any other form capable of being converted into written form within a reasonable time. The Trustee, at its Corporate Trust Office, is hereby initially appointed "Security Registrar" for the purpose of registering Registered Securities and transfers of Registered Securities on such Security Register as herein provided, and for facilitating exchanges of temporary global Securities for permanent global Securities or definitive Securities, or both, or of permanent global Securities for definitive Securities, or both, as herein provided. In the event that the Trustee shall cease to be Security Registrar, it shall have the right to examine the Security Register at all reasonable times.

Upon surrender for registration of transfer of any Registered Security of any series at any office or agency of the Company in a Place of Payment for that series, the Company shall execute, and the Trustee shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Registered Securities of the same series, of any authorized denominations and of a like aggregate principal amount, bearing a number not contemporaneously outstanding and containing identical terms and provisions.

At the option of the Holder, Registered Securities of any series may be exchanged for other Registered Securities of the same series, of any authorized denomination or denominations and of a like aggregate principal amount, containing identical terms and provisions, upon surrender of the Registered Securities to be exchanged at any such office or agency. Whenever any Registered Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Registered Securities which the Holder making the exchange is entitled to receive. Unless otherwise specified with respect to any series of Securities as contemplated by Section 3.01, Bearer Securities may not be issued in exchange for Registered Securities.

If (but only if) permitted by the applicable Board Resolution and (subject to Section 3.03) set forth in the applicable Officers' Certificate, or in any indenture supplemental hereto, delivered as contemplated by Section 3.01, at the option of the Holder, Bearer Securities of any series may be exchanged for Registered Securities of the same series of any authorized denominations and of a like aggregate principal amount and tenor, upon surrender of the Bearer Securities to be exchanged at any such office or agency, with all unmatured coupons and all matured coupons in default thereto appertaining. If the Holder of a Bearer Security is unable to produce any such unmatured coupon or coupons or matured coupon or coupons in default, any such permitted exchange may be effected if the Bearer Securities are accompanied by payment in funds acceptable to the Company in an amount equal to the face amount of such missing coupon or coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there is furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Security shall surrender to any Paying Agent any such missing coupon in respect of which such a payment shall have been made, such Holder shall be entitled to receive the amount of such payment; provided, however, that, except as otherwise provided in Section

10.02, interest represented by coupons shall be payable only upon presentation and surrender of those coupons at an office or agency located outside the United States. Notwithstanding the foregoing, in case a Bearer Security of any series is surrendered at any such office or agency in a permitted exchange for a Registered Security of the same series and like tenor after the close of business at such office or agency on (i) any Regular Record Date and before the opening of business at such office or agency on the relevant Interest Payment Date, or (ii) any Special Record Date and before the opening of business at such office or agency on the related proposed date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the coupon relating to such Interest Payment Date or proposed date for payment, as the case may be, and interest or Defaulted Interest, as the case may be, will not be payable on such Interest Payment Date or proposed date for payment, as the case may be, in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture.

Whenever any Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Securities which the Holder making the exchange is entitled to receive.

Notwithstanding the foregoing, except as otherwise specified as contemplated by Section 3.01, any permanent global Security shall be exchangeable only as provided in this paragraph. If any beneficial owner of an interest in a permanent global Security is entitled to exchange such interest for Securities of such series and of like tenor and principal amount of another authorized form and denomination, as specified as contemplated by Section 3.01 and provided that any applicable notice provided in the permanent global Security shall have been given, then without unnecessary delay but in any event not later than the earliest date on which such interest may be so exchanged, the Company shall deliver to the Trustee definitive Securities in aggregate principal amount equal to the principal amount of such beneficial owner's interest in such permanent global Security, executed by the Company. On or after the earliest date on which such interests may be so exchanged, such permanent global Security shall be surrendered by the Depository or such other depository as shall be specified in the Company Order with respect thereto to the Trustee, as the Company's agent for such purpose, or to the Security Registrar, to be exchanged, in whole or from time to time in part, for definitive Securities of the same series without charge and the Trustee shall authenticate and deliver, in exchange for each portion of such permanent global Security, an equal aggregate principal amount of definitive Securities of the same series of authorized denominations and of like tenor as the portion of such permanent global Security to be exchanged which, unless the Securities of the series are not issuable both as Bearer Securities and as Registered Securities, in which case the definitive Securities exchanged for the permanent global Security shall be issuable only in the form in which the Securities are issuable, as specified as contemplated by Section 3.01, shall be in the form of Bearer Securities or Registered Securities, or any combination thereof, as shall be specified by the beneficial owner thereof; provided, however, that, no such exchanges may occur during a period beginning at the opening of business 15 days before any selection of Securities to be redeemed and ending on the relevant Redemption Date if the Security for which exchange is requested may be among those selected for redemption; and provided, further, that, no Bearer Security delivered in exchange for a portion of a permanent global Security shall be mailed or otherwise delivered to any location in the United States. If a Registered Security is issued in exchange for any portion of a permanent global Security after the close of business at the office or agency where such exchange occurs on (i) any Regular Record Date and before the opening of business at such office or agency on the relevant Interest Payment Date, or (ii) any Special Record Date and before the opening of business at such office or agency on the related proposed date for payment of Defaulted Interest, interest or Defaulted Interest, as the case may be, will not be payable on such Interest Payment Date or proposed date for payment, as the case may be, in respect of such Registered Security, but will be payable on such Interest Payment Date or proposed date for payment, as the case may be, only to the Person to whom interest in respect of such portion of such permanent global Security is payable in accordance with the provisions of this Indenture.

All Securities issued upon any registration of transfer or exchange of Securities shall be valid obligations of the Company, evidencing the same debt and entitled to the same benefits under this Indenture, as the Securities surrendered upon such registration of transfer or exchange.

Every Registered Security presented or surrendered for registration of transfer or for exchange shall (if so required by the Company or the Security Registrar or any transfer agent) be duly endorsed, or be accompanied by a written instrument of transfer in form satisfactory to the Company and the Security Registrar, duly executed by the Holder thereof or his attorney or any transfer agent duly authorized in writing.

No service charge shall be made for any registration of transfer or exchange of Securities, but the Company or the Trustee may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any registration of transfer or exchange of Securities, other than exchanges pursuant to Section 3.04, 9.06, 11.07 or 13.05 not involving any transfer.

The Company shall not be required (i) to issue, register the transfer of or exchange any Security if such Security may be among those selected for redemption during a period beginning at the opening of business 15 days before selection of the Securities to be redeemed under Section 11.03 and ending at the close of business on (A) if such Securities are issuable only as Registered Securities, the day of the mailing of the relevant notice of redemption and (B) if such Securities are issuable as Bearer Securities, the day of the first publication of the relevant notice of redemption or, if such Securities are also issuable as Registered Securities and there is no publication, the mailing of the relevant notice of redemption, or (ii) to register the transfer of or exchange any Registered Security so selected for redemption in whole or in part, except, in the case of any Registered Security to be redeemed in part, the portion thereof not to be redeemed, or (iii) to exchange any Bearer Security so selected for redemption except that such a Bearer Security may be exchanged for a Registered Security of that series and like tenor; provided, that, such Registered Security shall be simultaneously surrendered for redemption, or (iv) to issue, register the transfer of or exchange any Security which has been surrendered for repayment at the option of the Holder, except the portion, if any, of such Security not to be so repaid.

Section 3.06 Mutilated, Destroyed, Lost and Stolen Securities.

If any mutilated Security or a Security with a mutilated coupon appertaining to it is surrendered to the Trustee or the Company, together with, in proper cases, such security or indemnity as may be required by the Company or the Trustee to save each of them or any agent of either of them harmless, the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a new Security of the same series and principal amount, containing identical terms and provisions and bearing a number not contemporaneously outstanding, with coupons corresponding to the coupons, if any, appertaining to the surrendered Security.

If there shall be delivered to the Company and to the Trustee (i) evidence to their satisfaction of the destruction, loss or theft of any Security or coupon, and (ii) such security or indemnity as may be required by them to save each of them and any agent of either of them harmless, then, in the absence of notice to the Company or the Trustee that such Security or coupon has been acquired by a protected purchaser, the Company shall, subject to the following paragraph, execute and upon its request the Trustee shall authenticate and deliver, in lieu of any such destroyed, lost or stolen Security or in exchange for the Security to which a destroyed, lost or stolen coupon appertains (with all appurtenant coupons not destroyed, lost or stolen), a new Security of the same series and principal amount, containing identical terms and provisions and bearing a number not contemporaneously outstanding, with coupons corresponding to the coupons, if any, appertaining to such destroyed, lost or stolen Security or to the Security to which such destroyed, lost or stolen coupon appertains.

Notwithstanding the provisions of the previous two paragraphs, in case any such mutilated, destroyed, lost or stolen Security or coupon has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Security, with coupons corresponding to the coupons, if any, appertaining to such mutilated, destroyed, lost or stolen Security or to the Security to which such mutilated, destroyed, lost or stolen coupon appertains, pay such Security or coupon, as the case may be; provided, however, that, payment of principal of (and premium, if any) and interest, if any, on Bearer Securities shall, except as otherwise provided in Section 10.02, be payable only at an office or agency located outside the United States and, unless otherwise specified as contemplated by Section 3.01, any interest on Bearer Securities shall be payable only upon presentation and surrender of the coupons appertaining thereto.

Upon the issuance of any new Security under this Section, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith.

Every new Security of any series with its coupons, if any, issued pursuant to this Section in lieu of any destroyed, lost or stolen Security, or in exchange for a Security to which a destroyed, lost or stolen coupon appertains, shall constitute an original additional contractual obligation of the Company, whether or not the

destroyed, lost or stolen Security and its coupons, if any, or the destroyed, lost or stolen coupon shall be at any time enforceable by anyone, and shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of that series and their coupons, if any, duly issued hereunder.

The provisions of this Section are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities or coupons.

Section 3.07 Payment of Interest; Interest Rights Preserved; Optional Interest Reset.

(a) Except as otherwise specified with respect to a series of Securities in accordance with the provisions of Section 3.01, interest, if any, on any Registered Security that is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest at the office or agency of the Company maintained for such purpose pursuant to Section 10.02; provided, however, that, each installment of interest, if any, on any Registered Security may at the Company's option be paid by (i) mailing a check for such interest, payable to or upon the written order of the Person entitled thereto pursuant to Section 3.09, to the address of such Person as it appears on the Security Register or (ii) transfer to an account maintained by the payee located in the United States.

Unless otherwise provided as contemplated by Section 3.01 with respect to the Securities of any series, payment of interest, if any, may be made, in the case of a Bearer Security, by transfer to an account maintained by the payee with a bank located outside the United States.

Unless otherwise provided as contemplated by Section 3.01, every permanent global Security will provide that interest, if any, payable on any Interest Payment Date will be paid to the Depository with respect to that portion of such permanent global Security held for its account by the Depository, for the purpose of permitting the Depository to credit the interest, if any, received by it in respect of such permanent global Security to the accounts of the beneficial owners thereof.

In case a Bearer Security of any series is surrendered in exchange for a Registered Security of such series after the close of business (at an office or agency in a Place of Payment for such series) on any Regular Record Date and before the opening of business (at such office or agency) on the next succeeding Interest Payment Date, such Bearer Security shall be surrendered without the coupon relating to such Interest Payment Date and interest will not be payable on such Interest Payment Date in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture.

Except as otherwise specified with respect to a series of Securities in accordance with the provisions of Section 3.01, any interest on any Registered Security of any series that is payable, but is not punctually paid or duly provided for, on any Interest Payment Date ("Defaulted Interest") shall forthwith cease to be payable to the registered Holder thereof on the relevant Regular Record Date by virtue of having been such Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in clause (1) or (2) below:

(1) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Registered Security of such series and the date of the proposed payment (which shall not be less than 20 days after such notice is received by the Trustee), and at the same time the Company shall deposit with the Trustee an amount of money in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)) equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit on or prior to the date of the proposed payment, such money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this clause provided. Thereupon the Trustee shall fix a Special Record Date for the payment

of such Defaulted Interest which shall be not more than 15 days and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Trustee shall promptly notify the Company of such Special Record Date and, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be mailed, first-class postage prepaid, to each Holder of Registered Securities of such series at his address as it appears in the Security Register not less than 10 days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been mailed as aforesaid, such Defaulted Interest shall be paid to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following clause (2). In case a Bearer Security of any series is surrendered at the office or agency in a Place of Payment for such series in exchange for a Registered Security of such series after the close of business at such office or agency on any Special Record Date and before the opening of business at such office or agency on the related proposed date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the coupon relating to such proposed date of payment and Defaulted Interest will not be payable on such proposed date of payment in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture.

(2) The Company may make payment of any Defaulted Interest on the Registered Securities of any series in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this clause, such manner of payment shall be deemed practicable by the Trustee.

(b) The provisions of this Section 3.07(b) may be made applicable to any series of Securities pursuant to Section 3.01 (with such modifications, additions or substitutions as may be specified pursuant to such Section 3.01). The interest rate (or the spread or spread multiplier used to calculate such interest rate, if applicable) on any Security of such series may be reset by the Company on the date or dates specified on the face of such Security (each an "Optional Reset Date"). The Company may exercise such option with respect to such Security by notifying the Trustee of such exercise at least 45 but not more than 60 days prior to an Optional Reset Date for such Security. Not later than 40 days prior to each Optional Reset Date, the Trustee shall transmit, in the manner provided for in Section 1.06, to the Holder of any such Security a notice (the "Reset Notice") indicating whether the Company has elected to reset the interest rate (or the spread or spread multiplier used to calculate such interest rate, if applicable), and if so (i) such new interest rate (or such new spread or spread multiplier, if applicable) and (ii) the provisions, if any, for redemption during the period from such Optional Reset Date to the next Optional Reset Date or if there is no such next Optional Reset Date, to the Stated Maturity of such Security (each such period a "Subsequent Interest Period"), including the date or dates on which or the period or periods during which and the price or prices at which such redemption may occur during the Subsequent Interest Period.

Notwithstanding the foregoing, not later than 20 days prior to the Optional Reset Date, the Company may, at its option, revoke the interest rate (or the spread or spread multiplier used to calculate such interest rate, if applicable) provided for in the Reset Notice and establish a higher interest rate (or a spread or spread multiplier providing for a higher interest rate, if applicable) for the Subsequent Interest Period by causing the Trustee to transmit, in the manner provided for in Section 1.06, notice of such higher interest rate (or such higher spread or spread multiplier providing for a higher interest rate, if applicable) to the Holder of such Security. Such notice shall be irrevocable. All Securities with respect to which the interest rate (or the spread or spread multiplier used to calculate such interest rate, if applicable) is reset on an Optional Reset Date, and with respect to which the Holders of such Securities have not tendered such Securities for repayment (or have validly revoked any such tender) pursuant to the next succeeding paragraph, will bear such higher interest rate (or such higher spread or spread multiplier providing for a higher interest rate, if applicable).

The Holder of any such Security will have the option to elect repayment by the Company of the principal of such Security on each Optional Reset Date at a price equal to the principal amount thereof plus interest accrued to such Optional Reset Date. In order to obtain repayment on an Optional Reset Date, the Holder must follow the procedures set forth in Article Thirteen for repayment at the option of Holders except that the period for delivery or

notification to the Trustee shall be at least 25 but not more than 35 days prior to such Optional Reset Date and except that, if the Holder has tendered any Security for repayment pursuant to the Reset Notice, the Holder may, by written notice to the Trustee, revoke such tender or repayment until the close of business on the tenth day before such Optional Reset Date.

Subject to the foregoing provisions of this Section and Section 3.05, each Security delivered under this Indenture upon registration of transfer of or in exchange for or in lieu of any other Security shall carry the rights to interest accrued and unpaid, and to accrue, which were carried by such other Security.

Section 3.08 Optional Extension of Maturity.

The provisions of this Section 3.08 may be made applicable to any series of Securities pursuant to Section 3.01 (with such modifications, additions or substitutions as may be specified pursuant to such Section 3.01). The Stated Maturity of any Security of such series may be extended at the option of the Company for the period or periods specified on the face of such Security (each an “Extension Period”) up to but not beyond the date (the “Final Maturity”) set forth on the face of such Security. The Company may exercise such option with respect to any Security by notifying the Trustee of such exercise at least 45 but not more than 60 days prior to the Stated Maturity of such Security in effect prior to the exercise of such option (the “Original Stated Maturity”). If the Company exercises such option, the Trustee shall transmit, in the manner provided for in Section 1.06, to the Holder of such Security not later than 40 days prior to the Original Stated Maturity a notice (the “Extension Notice”), prepared by the Company, indicating (i) the election of the Company to extend the Stated Maturity, (ii) the new Stated Maturity, (iii) the interest rate (or spread, spread multiplier or other formula to calculate such interest rate, if applicable), if any, applicable to the Extension Period and (iv) the provisions, if any, for redemption during such Extension Period. Upon the Trustee’s transmittal of the Extension Notice, the Stated Maturity of such Security shall be extended automatically and, except as modified by the Extension Notice and as described in the next paragraph, such Security will have the same terms as prior to the transmittal of such Extension Notice.

Notwithstanding the foregoing, not later than 20 days before the Original Stated Maturity of such Security, the Company may, at its option, revoke the interest rate (or spread, spread multiplier or other formula to calculate such interest rate, if applicable) provided for in the Extension Notice and establish a higher interest rate (or spread, spread multiplier or other formula to calculate such higher interest rate, if applicable) for the Extension Period by causing the Trustee to transmit, in the manner provided for in Section 1.06, notice of such higher interest rate (or spread, spread multiplier or other formula to calculate such interest rate, if applicable) to the Holder of such Security. Such notice shall be irrevocable. All Securities with respect to which the Stated Maturity is extended will bear such higher interest rate.

If the Company extends the Stated Maturity of any Security, the Holder will have the option to elect repayment of such Security by the Company on the Original Stated Maturity at a price equal to the principal amount thereof, plus interest accrued to such date. In order to obtain repayment on the Original Stated Maturity once the Company has extended the Stated Maturity thereof, the Holder must follow the procedures set forth in Article Thirteen for repayment at the option of Holders, except that the period for delivery or notification to the Trustee shall be at least 25 but not more than 35 days prior to the Original Stated Maturity and except that, if the Holder has tendered any Security for repayment pursuant to an Extension Notice, the Holder may by written notice to the Trustee revoke such tender for repayment until the close of business on the tenth day before the Original Stated Maturity.

Section 3.09 Persons Deemed Owners.

Prior to due presentment of a Registered Security for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name such Registered Security is registered as the owner of such Registered Security for the purpose of receiving payment of principal of (and premium, if any) and (subject to Sections 3.05 and 3.07) interest, if any, on such Registered Security and for all other purposes whatsoever, whether or not such Registered Security be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

Title to any Bearer Security and any coupons appertaining thereto shall pass by delivery. The Company, the Trustee and any agent of the Company or the Trustee may treat the bearer of any Bearer Security and the bearer of any coupon as the absolute owner of such Security or coupon for the purpose of receiving payment thereof or on account thereof and for all other purposes whatsoever, whether or not such Security or coupon be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

None of the Company, the Trustee, any Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests of a Security in global form or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Notwithstanding the foregoing, with respect to any global temporary or permanent Security, nothing herein shall prevent the Company, the Trustee, or any agent of the Company or the Trustee, from giving effect to any written certification, proxy or other authorization furnished by any depository, as a Holder, with respect to such global Security or impair, as between such depository and owners of beneficial interests in such global Security, the operation of customary practices governing the exercise of the rights of such depository (or its nominee) as Holder of such global Security.

Section 3.10 Cancellation.

All Securities and coupons surrendered for payment, redemption, repayment at the option of the Holder, registration of transfer or exchange or for credit against any sinking fund payment shall, if surrendered to any Person other than the Trustee, be delivered to the Trustee, and any such Securities and coupons and Securities and coupons surrendered directly to the Trustee for any such purpose shall be promptly cancelled by the Trustee. The Company may at any time deliver to the Trustee for cancellation any Securities previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever, and may deliver to the Trustee (or to any other Person for delivery to the Trustee) for cancellation any Securities previously authenticated hereunder which the Company has not issued and sold, and all Securities so delivered shall be promptly cancelled by the Trustee. If the Company shall so acquire any of the Securities, however, such acquisition shall not operate as a redemption or satisfaction of the indebtedness represented by such Securities unless and until the same are surrendered to the Trustee for cancellation. No Securities shall be authenticated in lieu of or in exchange for any Securities cancelled as provided in this Section, except as expressly permitted by this Indenture. Cancelled Securities and coupons held by the Trustee shall be destroyed by the Trustee in accordance with its customary procedures, unless by a Company Order the Company directs the Trustee to deliver a certificate of such destruction to the Company or to return them to the Company.

Section 3.11 Computation of Interest.

Except as otherwise specified as contemplated by Section 3.01 with respect to Securities of any series, interest, if any, on the Securities of each series shall be computed on the basis of a 360-day year consisting of twelve 30-day months.

Section 3.12 Currency and Manner of Payments in Respect of Securities.

(a) Unless otherwise specified with respect to any Securities pursuant to Section 3.01, with respect to Registered Securities of any series not permitting the election provided for in paragraph (b) below or the Holders of which have not made the election provided for in paragraph (b) below, and with respect to Bearer Securities of any series, except as provided in paragraph (d) below, payment of the principal of (and premium, if any) and interest, if any, on any Registered or Bearer Security of such series will be made in the Currency in which such Registered Security or Bearer Security, as the case may be, is payable. The provisions of this Section 3.12 may be modified or superseded with respect to any Securities pursuant to Section 3.01.

(b) It may be provided pursuant to Section 3.01 with respect to Registered Securities of any series that Holders shall have the option, subject to paragraphs (d) and (e) below, to receive payments of principal of (or premium, if any) or interest, if any, on such Registered Securities in any of the Currencies which may be designated

for such election by delivering to the Trustee for such series of Registered Securities a written election with signature guarantees and in the applicable form established pursuant to Section 3.01, not later than the close of business on the Election Date immediately preceding the applicable payment date. If a Holder so elects to receive such payments in any such Currency, such election will remain in effect for such Holder or any transferee of such Holder until changed by such Holder or such transferee by written notice to the Trustee for such series of Registered Securities (but any such change must be made not later than the close of business on the Election Date immediately preceding the next payment date to be effective for the payment to be made on such payment date and no such change of election may be made with respect to payments to be made on any Registered Security of such series with respect to which an Event of Default has occurred or with respect to which the Company has deposited funds pursuant to Article Four or Fourteen or with respect to which a notice of redemption has been given by the Company or a notice of option to elect repayment has been sent by such Holder or such transferee). Any Holder of any such Registered Security who shall not have delivered any such election to the Trustee of such series of Registered Securities not later than the close of business on the applicable Election Date will be paid the amount due on the applicable payment date in the relevant Currency as provided in Section 3.12(a). The Trustee for each such series of Registered Securities shall notify the Exchange Rate Agent as soon as practicable after the Election Date of the aggregate principal amount of Registered Securities for which Holders have made such written election.

(c) Unless otherwise specified pursuant to Section 3.01, if the election referred to in paragraph (b) above has been provided for pursuant to Section 3.01, then, unless otherwise specified pursuant to Section 3.01, not later than the fourth Business Day after the Election Date for each payment date for Registered Securities of any series, the Exchange Rate Agent will deliver to the Company a written notice specifying the Currency in which Registered Securities of such series are payable, the respective aggregate amounts of principal of (and premium, if any) and interest, if any, on the Registered Securities to be paid on such payment date, specifying the amounts in such Currency so payable in respect of the Registered Securities as to which the Holders of Registered Securities denominated in any Currency shall have elected to be paid in another Currency as provided in paragraph (b) above. If the election referred to in paragraph (b) above has been provided for pursuant to Section 3.01 and if at least one Holder has made such election, then, unless otherwise specified pursuant to Section 3.01, on the second Business Day preceding such payment date the Company will deliver to the Trustee for such series of Registered Securities an Exchange Rate Officer's Certificate in respect of the Dollar or Foreign Currency or Currencies payments to be made on such payment date. Unless otherwise specified pursuant to Section 3.01, the Dollar or Foreign Currency or Currencies amount receivable by Holders of Registered Securities who have elected payment in a Currency as provided in paragraph (b) above shall be determined by the Company on the basis of the applicable Market Exchange Rate in effect on the second Business Day (the "Valuation Date") immediately preceding each payment date, and such determination shall be conclusive and binding for all purposes, absent manifest error.

(d) If a Conversion Event occurs with respect to a Foreign Currency in which any of the Securities are denominated or payable other than pursuant to an election provided for pursuant to paragraph (b) above, then with respect to each date for the payment of principal of (and premium, if any) and interest, if any on the applicable Securities denominated or payable in such Foreign Currency occurring after the last date on which such Foreign Currency was used (the "Conversion Date"), the Dollar shall be the currency of payment for use on each such payment date. Unless otherwise specified pursuant to Section 3.01, the Dollar amount to be paid by the Company to the Trustee of each such series of Securities and by such Trustee or any Paying Agent to the Holders of such Securities with respect to such payment date shall be, in the case of a Foreign Currency other than a currency unit, the Dollar Equivalent of the Foreign Currency or, in the case of a currency unit, the Dollar Equivalent of the Currency Unit, in each case as determined by the Exchange Rate Agent in the manner provided in paragraph (f) or (g) below.

(e) Unless otherwise specified pursuant to Section 3.01, if the Holder of a Registered Security denominated in any Currency shall have elected to be paid in another Currency as provided in paragraph (b) above, and a Conversion Event occurs with respect to such elected Currency, such Holder shall receive payment in the Currency in which payment would have been made in the absence of such election; and if a Conversion Event occurs with respect to the Currency in which payment would have been made in the absence of such election, such Holder shall receive payment in Dollars as provided in paragraph (d) of this Section 3.12.

(f) The “Dollar Equivalent of the Foreign Currency” shall be determined by the Exchange Rate Agent and shall be obtained for each subsequent payment date by converting the specified Foreign Currency into Dollars at the Market Exchange Rate on the Conversion Date.

(g) The “Dollar Equivalent of the Currency Unit” shall be determined by the Exchange Rate Agent and subject to the provisions of paragraph (h) below shall be the sum of each amount obtained by converting the Specified Amount of each Component Currency into Dollars at the Market Exchange Rate for such Component Currency on the Valuation Date with respect to each payment.

(h) For purposes of this Section 3.12, the following terms shall have the following meanings:

A “Component Currency” shall mean any currency which, on the Conversion Date, was a component currency of the relevant currency unit.

A “Specified Amount” of a Component Currency shall mean the number of units of such Component Currency or fractions thereof which were represented in the relevant currency unit on the Conversion Date. If after the Conversion Date the official unit of any Component Currency is altered by way of combination or subdivision, the Specified Amount of such Component Currency shall be divided or multiplied in the same proportion. If after the Conversion Date two or more Component Currencies are consolidated into a single currency, the respective Specified Amounts of such Component Currencies shall be replaced by an amount in such single currency equal to the sum of the respective Specified Amounts of such consolidated Component Currencies expressed in such single currency, and such amount shall thereafter be a Specified Amount and such single currency shall thereafter be a Component Currency. If after the Conversion Date any Component Currency shall be divided into two or more currencies, the Specified Amount of such Component Currency shall be replaced by amounts of such two or more currencies, having an aggregate Dollar Equivalent value at the Market Exchange Rate on the date of such replacement equal to the Dollar Equivalent of the Specified Amount of such former Component Currency at the Market Exchange Rate immediately before such division, and such amounts shall thereafter be Specified Amounts and such currencies shall thereafter be Component Currencies. If, after the Conversion Date of the relevant currency unit, a Conversion Event (other than any event referred to above in this definition of “Specified Amount”) occurs with respect to any Component Currency of such currency unit and is continuing on the applicable Valuation Date, the Specified Amount of such Component Currency shall, for purposes of calculating the Dollar Equivalent of the Currency Unit, be converted into Dollars at the Market Exchange Rate in effect on the Conversion Date of such Component Currency.

An “Election Date” shall mean the Regular Record Date for the applicable series of Registered Securities or at least 16 days prior to Maturity, as the case may be, or such other prior date for any series of Registered Securities as specified pursuant to clause 13 of Section 3.01 by which the written election referred to in Section 3.12(b) may be made.

All decisions and determinations of the Exchange Rate Agent regarding the Dollar Equivalent of the Foreign Currency, the Dollar Equivalent of the Currency Unit, the Market Exchange Rate and changes in the Specified Amounts as specified above shall be in its sole discretion and shall, in the absence of manifest error, be conclusive for all purposes and irrevocably binding upon the Company, the Trustee for the appropriate series of Securities and all Holders of such Securities denominated or payable in the relevant Currency. The Exchange Rate Agent shall promptly give written notice to the Company and the Trustee for the appropriate series of Securities of any such decision or determination.

In the event that the Company determines in good faith that a Conversion Event has occurred with respect to a Foreign Currency, the Company will immediately give written notice thereof to the Trustee of the appropriate series of Securities and to the Exchange Rate Agent (and such Trustee will promptly thereafter give notice in the manner provided in Section 1.06 to the affected Holders) specifying the Conversion Date. In the event the Company so determines that a Conversion Event has occurred with respect to any currency unit in which Securities are denominated or payable, the Company will immediately give written notice thereof to the Trustee of the appropriate series of Securities and to the Exchange Rate Agent (and such Trustee will promptly thereafter give notice in the manner provided in Section 1.06 to the affected Holders) specifying the Conversion Date and the Specified Amount

of each Component Currency on the Conversion Date. In the event the Company determines in good faith that any subsequent change in any Component Currency as set forth in the definition of Specified Amount above has occurred, the Company will similarly give written notice to the Trustee of the appropriate series of Securities and to the Exchange Rate Agent.

The Trustee of the appropriate series of Securities shall be fully justified and protected in relying and acting upon information received by it from the Company and the Exchange Rate Agent and shall not otherwise have any duty or obligation to determine the accuracy or validity of such information independent of the Company or the Exchange Rate Agent.

Section 3.13 Appointment and Resignation of Successor Exchange Rate Agent.

(a) Unless otherwise specified pursuant to Section 3.01, if and so long as the Securities of any series (i) are denominated in a Foreign Currency or (ii) may be payable in a Foreign Currency, or so long as it is required under any other provision of this Indenture, then the Company will maintain with respect to each such series of Securities, or as so required, at least one Exchange Rate Agent. The Company will cause the Exchange Rate Agent to make the necessary foreign exchange determinations at the time and in the manner specified pursuant to Section 3.01 for the purpose of determining the applicable rate of exchange and, if applicable, for the purpose of converting the issued Foreign Currency into the applicable payment Currency for the payment of principal (and premium, if any) and interest, if any, pursuant to Section 3.12.

(b) No resignation of the Exchange Rate Agent and no appointment of a successor Exchange Rate Agent pursuant to this Section shall become effective until the acceptance of appointment by the successor Exchange Rate Agent as evidenced by a written instrument delivered to the Company and the Trustee of the appropriate series of Securities accepting such appointment executed by the successor Exchange Rate Agent.

(c) If the Exchange Rate Agent shall resign, be removed or become incapable of acting, or if a vacancy shall occur in the office of the Exchange Rate Agent for any cause, with respect to the Securities of one or more series, the Company, by or pursuant to a Board Resolution, shall promptly appoint a successor Exchange Rate Agent or Exchange Rate Agents with respect to the Securities of that or those series (it being understood that any such successor Exchange Rate Agent may be appointed with respect to the Securities of one or more or all of such series and that, unless otherwise specified pursuant to Section 3.01, at any time there shall only be one Exchange Rate Agent with respect to the Securities of any particular series that are originally issued by the Company on the same date and that are initially denominated and/or payable in the same Currency).

Section 3.14 CUSIP Numbers.

The Company in issuing the Securities may use “CUSIP” numbers (if then generally in use), and, if so, the Trustee shall indicate the respective “CUSIP” numbers of the Securities in notices of redemption 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 the Securities or as contained in any notice of redemption and that reliance may be placed only on the other identification numbers printed on the Securities, and any such redemption shall not be affected by any defect in or omission of such numbers. The Company shall advise the Trustee as promptly as practicable in writing of any change in the CUSIP numbers.

ARTICLE FOUR SATISFACTION AND DISCHARGE

Section 4.01 Satisfaction and Discharge of Indenture.

Except as set forth below, this Indenture shall upon Company Request cease to be of further effect with respect to any series of Securities specified in such Company Request (except as to any surviving rights of registration of transfer or exchange of Securities of such series expressly provided for herein or pursuant hereto, any surviving rights of tender for repayment at the option of the Holders and any right to receive Additional Amounts, as provided in Section 10.04), and the Trustee, upon receipt of a Company Order, and at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture as to such series when

(1) either

(A) all Securities of such series theretofore authenticated and delivered and all coupons, if any, appertaining thereto (other than (i) coupons appertaining to Bearer Securities surrendered for exchange for Registered Securities and maturing after such exchange, whose surrender is not required or has been waived as provided in Section 3.05, (ii) Securities and coupons of such series which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 3.06, (iii) coupons appertaining to Securities called for redemption and maturing after the relevant Redemption Date, whose surrender has been waived as provided in Section 11.06, and (iv) Securities and coupons of such series for whose payment money has theretofore been deposited in trust with the Trustee or any Paying Agent or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 10.03) have been delivered to the Trustee for cancellation; or

(B) all Securities of such series and, in the case of (i) or (ii) below, any coupons appertaining thereto not theretofore delivered to the Trustee for cancellation

(i) have become due and payable, or

(ii) will become due and payable at their Stated Maturity within one year, or

(iii) if redeemable at the option of the Company, are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company,

and the Company, in the case of (i), (ii) or (iii) above, has irrevocably deposited or caused to be deposited with the Trustee as trust funds in trust for such purpose, solely for the benefit of the Holders, an amount in the Currency in which the Securities of such series are payable, sufficient to pay and discharge the entire indebtedness on such Securities and such coupons not theretofore delivered to the Trustee for cancellation, for principal (and premium, if any) and interest, if any, to the date of such deposit (in the case of Securities which have become due and payable) or to the Stated Maturity or Redemption Date, as the case may be;

(2) the Company has irrevocably paid or caused to be irrevocably paid all other sums payable hereunder by the Company; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture as to such series have been complied with.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee and any predecessor Trustee under Section 6.06, the obligations of the Company to any Authenticating Agent under Section 6.12 and, if money shall have been deposited with the Trustee pursuant to subclause (B) of clause (1) of this Section, the obligations of the Trustee under Section 4.02 and the last paragraph of Section 10.03 shall survive any termination of this Indenture.

Section 4.02 Application of Trust Funds.

Subject to the provisions of the last paragraph of Section 10.03, all money deposited with the Trustee pursuant to Section 4.01 shall be held in trust and applied by it, in accordance with the provisions of the Securities, the coupons and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Persons entitled thereto, of the principal (and premium, if any) and interest, if any, for whose payment such money has been deposited with or received by the Trustee, but such money need not be segregated from other funds except to the extent required by law.

**ARTICLE FIVE
REMEDIES**

Section 5.01 Events of Default.

“Event of Default”, wherever used herein with respect to any particular series of Securities, means any one of the following events (whatever the reason for such Event of Default and whether or not it shall be voluntary or involuntary or be effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body), unless it is either inapplicable to a particular series or is specifically deleted or modified in or pursuant to the supplemental indenture or a Board Resolution establishing such series of Securities or is in the form of Security for such series:

- (1) default in the payment of any interest upon any Security of that series or of any coupon appertaining thereto, when such interest or coupon becomes due and payable, and continuance of such default for a period of 30 days; or
- (2) default in the payment of the principal of (or premium, if any) any Security of that series and continues for a period of five days after Maturity;
or
- (3) default in the deposit of any sinking fund payment, when and as due by the terms of any Security of that series and such default is not cured within five days; or
- (4) default in the performance, or breach, of any covenant or agreement of the Company in this Indenture with respect to any Security of that series (other than a covenant or agreement a default in whose performance or whose breach is elsewhere in this Section specifically dealt with or which has expressly been included in this Indenture solely for the benefit of a series of Securities other than that series), and continuance of such default or breach for a period of 60 days after there has been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Securities of that series a written notice specifying such default or breach and requiring it to be remedied and stating that such notice is a “Notice of Default” hereunder;
- (5) the Company, pursuant to or within the meaning of any Bankruptcy Law:
 - (A) commences a voluntary case or proceeding under any Bankruptcy Law,
 - (B) consents to the commencement of any bankruptcy or insolvency case or proceeding against it, or files a petition or answer or consent seeking reorganization or relief against it,
 - (C) consents to the entry of a decree or order for relief against it in an involuntary case or proceeding,
 - (D) consents to the filing of such petition or to the appointment of or taking possession by a Custodian of the Company or for all or substantially all of its property, or
 - (E) makes an assignment for the benefit of creditors, or admits in writing of its inability to pay its debts generally as they become due or takes any corporate action in furtherance of any such action; or
- (6) 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 or proceeding, or
 - (B) adjudges the Company bankrupt or insolvent, or approves as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Company, or
 - (C) appoints a Custodian of the Company or for all or substantially all of its property, or
 - (D) orders the winding up or liquidation of the Company, and the continuance of any such decree or order for relief or any such other decree or order unstayed and in effect for a period of 90 consecutive days; or

(7) any other Event of Default provided with respect to Securities of that series.

The term "Bankruptcy Law" means title 11, U.S. Code or any applicable federal or state bankruptcy, insolvency, reorganization or other similar law. The term "Custodian" means any custodian, receiver, trustee, assignee, liquidator, sequestrator or other similar official under any Bankruptcy Law.

Section 5.02 Acceleration of Maturity; Rescission and Annulment.

If an Event of Default with respect to Securities of any series at the time Outstanding occurs and is continuing, then and in every such case the Trustee or the Holders of not less than 25% in principal amount of the Outstanding Securities of that series may declare the principal (or, if any Securities are Original Issue Discount Securities or Indexed Securities, such portion of the principal as may be specified in the terms thereof) of all the Securities of that series to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by the Holders), and upon any such declaration such principal or specified portion thereof shall become immediately due and payable.

At any time after such a declaration of acceleration with respect to Securities of any series has been made and before a judgment or decree for payment of the money due has been obtained by the Trustee as hereinafter provided in this Article, the Holders of a majority in principal amount of the Outstanding Securities of that series, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if:

(1) the Company has paid or deposited with the Trustee a sum sufficient to pay in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)):

(A) all overdue installments of interest, if any, on all Outstanding Securities of that series and any related coupons,

(B) the principal of (and premium, if any) all Outstanding Securities of that series which have become due otherwise than by such declaration of acceleration and interest thereon at the rate or rates borne by or provided for in such Securities,

(C) to the extent that payment of such interest is lawful, interest upon overdue installments of interest at the rate or rates borne by or provided for in such Securities, and

(D) all sums paid or advanced by the Trustee hereunder and the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel; and

(2) all Events of Default with respect to Securities of that series, other than the nonpayment of the principal of (or premium, if any) or interest on Securities of that series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 5.13.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

Section 5.03 Collection of Indebtedness and Suits for Enforcement by Trustee.

The Company covenants that if:

(1) default is made in the payment of any installment of interest on any Security of any series and any related coupon when such interest becomes due and payable and such default continues for a period of 30 days, or

(2) default is made in the payment of the principal of (or premium, if any) any Security of any series and continues for a period of five days after Maturity,

then the Company will, upon demand of the Trustee, pay to the Trustee, for the benefit of the Holders of Securities of such series and coupons, the whole amount then due and payable on such Securities and coupons for principal (and premium, if any) and interest, if any, with interest upon any overdue principal (and premium, if any) and, to the extent that payment of such interest shall be legally enforceable, upon any overdue installments of interest, if any, at the rate or rates borne by or provided for in such Securities, and, in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, including the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel.

If the Company fails to pay such amounts forthwith upon such demand, the Trustee, in its own name and as trustee of an express trust, may institute a judicial proceeding for the collection of the sums so due and unpaid, and may prosecute such proceeding to judgment or final decree, and may enforce the same against the Company or any other obligor upon Securities of such series and collect the moneys adjudged or decreed to be payable in the manner provided by law out of the property of the Company or any other obligor upon such Securities of such series, wherever situated.

If an Event of Default with respect to Securities of any series occurs and is continuing, the Trustee may in its discretion proceed to protect and enforce its rights and the rights of the Holders of Securities of such series and any related coupons by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

Section 5.04 Trustee May File Proofs of Claim.

In case of the pendency of any receivership, insolvency, liquidation, bankruptcy, reorganization, arrangement, adjustment, composition or other judicial proceeding relative to the Company or any other obligor upon the Securities or the property of the Company or of such other obligor or their creditors, the Trustee (irrespective of whether the principal of the Securities of any series shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand on the Company for the payment of any overdue principal, premium or interest) shall be entitled and empowered, by intervention in such proceeding or otherwise:

(i) to file and prove a claim for the whole amount of principal (or in the case of Original Issue Discount Securities or Indexed Securities, such portion of the principal as may be provided for in the terms thereof) (and premium, if any) and interest, if any, owing and unpaid in respect of the Securities and to file such 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 of the Holders allowed in such judicial proceeding, and

(ii) to collect and receive any moneys or other property payable or deliverable on any such claims and to distribute the same;

and any custodian, receiver, assignee, trustee, liquidator, sequestrator (or other similar official) in any such judicial proceeding is hereby authorized by each Holder of Securities of such series and coupons 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 and any predecessor Trustee, their agents and counsel, and any other amounts due the Trustee or any predecessor Trustee under Section 6.06.

Subject to Article Eight and Section 9.02 and unless otherwise provided as contemplated by Section 3.01, nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder of a Security or coupon any plan of reorganization, arrangement, adjustment or composition affecting the Securities or coupons or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder of a Security or coupon in any such proceeding.

Section 5.05 Trustee May Enforce Claims Without Possession of Securities or Coupons.

All rights of action and claims under this Indenture or any of the Securities or coupons may be prosecuted and enforced by the Trustee without the possession of any of the Securities or coupons or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name and as trustee of an express trust, and any recovery of judgment shall, after provision for the payment of the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, be for the ratable benefit of the Holders of the Securities and coupons in respect of which such judgment has been recovered.

Section 5.06 Application of Money Collected.

Any money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such money on account of principal (or premium, if any) or interest, if any, upon presentation of the Securities or coupons, or both, as the case may be, and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

FIRST: To the payment of all amounts due the Trustee and any predecessor Trustee under Section 6.06;

SECOND: To the payment of the amounts then due and unpaid upon the Securities and coupons for principal (and premium, if any) and interest, if any, in respect of which or for the benefit of which such money has been collected, ratably, without preference or priority of any kind, according to the aggregate amounts due and payable on such Securities and coupons for principal (and premium, if any) and interest, if any, respectively; and

THIRD: To the payment of the remainder, if any, to the Company or any other Person or Persons entitled thereto.

Section 5.07 Limitation on Suits.

No Holder of any Security of any series or any related coupon shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless:

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

(2) the Holders of not less than 25% in principal amount of the Outstanding Securities of that series shall have made written request to the Trustee to institute proceedings in respect of such Event of Default in its own name as Trustee hereunder;

(3) such Holder or Holders have offered to the Trustee indemnity against the costs, expenses and liabilities to be incurred in compliance with such request;

(4) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity has failed to institute any such proceeding; and

(5) no direction inconsistent with such written request has been given to the Trustee during such 60-day period by the Holders of a majority in principal amount of the Outstanding Securities of that series; it being understood and intended that no one or more of such Holders shall have any right in any manner whatever by virtue of, or by availing of, any provision of this Indenture to affect, disturb or prejudice the rights of any other of such Holders, or to obtain or to seek to obtain priority or preference over any other of such Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all such Holders.

Section 5.08 Unconditional Right of Holders to Receive Principal, Premium and Interest.

Notwithstanding any other provision in this Indenture, the Holder of any Security or coupon shall have the right which is absolute and unconditional to receive payment of the principal of (and premium, if any) and (subject to Sections 3.05 and 3.07) interest, if any, on such Security or payment of such coupon on the Stated Maturity or Maturities expressed in such Security or coupon (or, in the case of redemption, on the Redemption Date or, in the case of repayment at the option of the Holders on the Repayment Date) and to institute suit for the enforcement of any such payment, and such rights shall not be impaired without the consent of such Holder.

Section 5.09 Restoration of Rights and Remedies.

If the Trustee or any Holder of a Security or coupon has instituted any proceeding to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case the Company, the Trustee and the Holders of Securities and coupons shall, subject to any determination in such proceeding, be restored severally and respectively to their former positions hereunder and thereafter all rights and remedies of the Trustee and the Holders shall continue as though no such proceeding had been instituted.

Section 5.10 Rights and Remedies Cumulative.

Except as otherwise provided with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities or coupons in the last paragraph of Section 3.06, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders of Securities or coupons is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

Section 5.11 Delay or Omission Not Waiver.

No delay or omission of the Trustee or of any Holder of any Security or coupon to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by the Holders of Securities or coupons, as the case may be.

Section 5.12 Control by Holders of Securities.

The Holders of a majority in principal amount of the Outstanding Securities of any series shall 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 Securities of such series, provided that

- (1) such direction shall not be in conflict with any rule of law or with this Indenture,
- (2) the Trustee may take any other action deemed proper by the Trustee which is not inconsistent with such direction, and
- (3) the Trustee need not take any action which might involve it in personal liability or be unjustly prejudicial to the Holders of Securities of such series not consenting.

Section 5.13 Waiver of Past Defaults.

Subject to Section 5.02, the Holders of not less than a majority in principal amount of the Outstanding Securities of any series may on behalf of the Holders of all the Securities of such series and any related coupons waive any past default hereunder with respect to Securities of such series and its consequences, except a default

- (1) in the payment of the principal of (or premium, if any) or interest, if any, on any Security of such series or any related coupons, or

(2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Security of such series affected.

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 Event of Default or impair any right consequent thereon.

Section 5.14 Waiver of Stay or Extension Laws.

The Company covenants (to the extent that it may lawfully do so) that it will not at any time insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay or extension law wherever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefit or advantage of any such law, and covenants that it will not hinder, delay or impede the execution of any power herein granted to the Trustee, but will suffer and permit the execution of every such power as though no such law had been enacted.

ARTICLE SIX THE TRUSTEE

Section 6.01 Duties of Trustee and Notice of Defaults.

Subject to the provisions of Trust Indenture Act Section 315(a) through 315(d):

(a) if a Default or 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 its exercise thereof as a prudent person would exercise or use under the circumstances in the conduct of his own affairs.

(b) except during the continuance of a Default or an Event of Default:

(1) the Trustee need perform only those duties as are specifically set forth in this Indenture and no covenants or obligations shall be implied in this Indenture that are adverse to the Trustee; and

(2) in the absence of bad faith or willful misconduct 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 such certificates or opinions which by any provision hereof are specifically 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 liability for its own negligent action, its own negligent failure to act or its own willful misconduct, except that:

(1) this subsection (c) does not limit the effect of subsection (b) of this Section 6.01;

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

(3) 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 of the Holders of a majority in principal amount of Outstanding Securities relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power confirmed upon the Trustee under this Indenture.

(d) no provision of this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder or in the exercise of any of its rights or powers if it shall have reasonable grounds for believing that repayment of such funds or adequate indemnity against such risk or liability is not reasonably assured to it.

(e) whether or not therein expressly so provided, every provision of this Indenture that in any way relates to the Trustee is subject to subsections (a), (b), (c) and (d) of this Section 6.01.

(f) the Trustee shall not be liable for interest on any money or assets received by it except as the Trustee may agree in writing with the Company. Assets held in trust by the Trustee need not be segregated from other assets except to the extent required by law.

Within 90 days after the occurrence of any Default hereunder with respect to the Securities of any series, the Trustee shall transmit in the manner and to the extent provided in TIA Section 313(c), notice of such Default hereunder known to the Trustee, unless such Default shall have been cured or waived; provided, however, that, except in the case of a Default in the payment of the principal of (or premium, if any) or interest, if any, on any Security of such series, or in the payment of any sinking or purchase fund installment with respect to the Securities of such series, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee or a trust committee of directors and/or Responsible Officers of the Trustee in good faith determines that the withholding of such notice is in the interest of the Holders of the Securities and coupons of such series; and provided, further, that, in the case of any Default or breach of the character specified in Section 5.01(4) with respect to the Securities and coupons of such series, no such notice to Holders shall be given until at least 60 days after the occurrence thereof.

Section 6.02 Certain Rights of Trustee.

Subject to Section 6.01 and the provisions of TIA Section 315(a) through 315(d):

(1) The Trustee may rely and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, coupon or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties.

(2) Any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order (other than delivery of any Security, together with any coupons appertaining thereto, to the Trustee for authentication and delivery pursuant to Section 3.03 which shall be sufficiently evidenced as provided therein) and any resolution of the Board of Directors may be sufficiently evidenced by a Board Resolution.

(3) Whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may, in the absence of bad faith on its part, rely upon a Board Resolution, an Opinion of Counsel or an Officers' Certificate.

(4) The Trustee may consult with counsel and the written advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon.

(5) The Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders of Securities of any series or any related coupons pursuant to this Indenture, unless such Holders shall have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction.

(6) 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, coupon 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, and, if the Trustee shall determine to make such further inquiry or investigation, it shall be entitled upon reasonable notice and at reasonable times during normal business hours to examine the books, records and premises of the Company, personally or by agent or attorney.

(7) The Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder.

(8) The Trustee shall not be deemed to have notice of any Default or Event of Default unless a Responsible Officer of the Trustee has actual knowledge thereof or unless written notice of any event which 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 and this Indenture.

(9) The rights, privileges, protections, immunities and benefits given to the Trustee, including, without limitation, its right to be indemnified, are extended to, and shall be enforceable by, the Trustee in each of its capacities hereunder.

(10) The permissive rights of the Trustee enumerated herein shall not be construed as duties.

(11) The Trustee may request that the Company deliver an Officers' Certificate setting forth the names of individuals and/or titles of officers authorized at such time to take specified actions pursuant to this Indenture, which Officers' Certificate may be signed by any person authorized to sign an Officers' Certificate, including any person specified as so authorized in any such certificate previously delivered and not superseded.

The Trustee shall not be required to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers, if it shall have reasonable grounds for believing that repayment of such funds or adequate indemnity against such risk or liability is not reasonably assured to it.

Section 6.03 Not Responsible for Recitals or Issuance of Securities.

The recitals contained herein and in the Securities, except the Trustee's certificate of authentication, and in any coupons shall be taken as the statements of the Company, and neither the Trustee nor any Authenticating Agent assumes any responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Securities or coupons, except that the Trustee represents that it is duly authorized to execute and deliver this Indenture, authenticate the Securities and perform its obligations hereunder and that the statements made by it in a Statement of Eligibility on Form T-1 supplied to the Company are true and accurate, subject to the qualifications set forth therein. Neither the Trustee nor any Authenticating Agent shall be accountable for the use or application by the Company of Securities or the proceeds thereof.

Section 6.04 May Hold Securities.

The Trustee, any Paying Agent, Security Registrar, Authenticating Agent or any other agent of the Company, in its individual or any other capacity, may become the owner or pledgee of Securities and coupons and, subject to TIA Sections 310(b) and 311, may otherwise deal with the Company with the same rights it would have if it were not Trustee, Paying Agent, Security Registrar, Authenticating Agent or such other agent.

Section 6.05 Money Held in Trust.

Money held by the Trustee in trust hereunder need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on any money received by it hereunder except as otherwise agreed with the Company.

Section 6.06 Compensation and Reimbursement and Indemnification of Trustee.

The Company agrees:

(1) To pay to the Trustee or any predecessor Trustee from time to time such reasonable compensation for all services rendered by it hereunder as has been agreed upon from time to time in writing (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust).

(2) Except as otherwise expressly provided herein, to reimburse each of the Trustee and any predecessor Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee or any predecessor Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the expenses and disbursements of its agents and counsel), except any such expense, disbursement or advance as may be attributable to its negligence or bad faith.

(3) To indemnify each of the Trustee or any predecessor Trustee for, and to hold it harmless against, any loss, liability or expense incurred without negligence or bad faith on its own part, arising out of or in connection with the acceptance or administration of the trust or trusts hereunder, including the costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers or duties hereunder.

As security for the performance of the obligations of the Company under this Section, the Trustee shall have a claim prior to the Securities upon all property and funds held or collected by the Trustee as such, except funds held in trust for the payment of principal of (or premium, if any) or interest, if any, on particular Securities or any coupons.

When the Trustee incurs expenses or renders services after an Event of Default specified in Section 5.01 occurs, the expenses and compensation for such services are intended to constitute expenses of administration under Title 11, U.S. Code, or any similar Federal, State or analogous foreign law for the relief of debtors.

The provisions of this Section 6.06 shall survive the resignation or removal of the Trustee and the satisfaction, termination or discharge of this Indenture.

Section 6.07 Corporate Trustee Required; Eligibility.

There shall at all times be a Trustee hereunder which shall be eligible to act as Trustee under TIA Section 310(a)(1) and shall have a combined capital and surplus of at least \$150,000. If such corporation publishes reports of condition at least annually, pursuant to law or to the requirements of Federal, State, Territorial or District of Columbia supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, it shall resign immediately in the manner and with the effect hereinafter specified in this Article.

Section 6.08 Disqualification; Conflicting Interests.

If the Trustee has or shall acquire a conflicting interest within the meaning of the Trust Indenture Act, the Trustee shall either eliminate such interest or resign, to the extent and in the manner provided by, and subject to the provisions of, the Trust Indenture Act and this Indenture.

Section 6.09 Resignation and Removal; Appointment of Successor.

(a) No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee in accordance with the applicable requirements of Section 6.10.

(b) The Trustee may resign at any time with respect to the Securities of one or more series by giving written notice thereof to the Company.

(c) The Trustee may be removed at any time with respect to the Securities of any series by (i) the Company, by an Officers' Certificate delivered to the Trustee, provided that contemporaneously therewith (x) the Company immediately appoints a successor Trustee with respect to the Securities of such series meeting the requirements of Section 6.07 hereof and (y) the terms of Section 6.10 hereof are complied with in respect of such appointment (the Trustee being removed hereby agreeing to execute the instrument contemplated by Section 6.10(b) hereof, if applicable, under such circumstances) and provided, further, that, no Default with respect to such Securities shall have occurred and then be continuing at such time, or (ii) Act of the Holders of a majority in principal amount of the Outstanding Securities of such series delivered to the Trustee and to the Company.

(d) If at any time:

(1) the Trustee shall fail to comply with the provisions of TIA Section 310(b) after written request therefor by the Company or by any Holder of a Security who has been a bona fide Holder of a Security for at least six months, or

(2) the Trustee shall cease to be eligible under Section 6.07 and shall fail to resign after written request therefor by the Company or by any Holder of a Security who has been a bona fide Holder of a Security for at least six months, or

(3) the Trustee shall become incapable of acting or shall be adjudged a bankrupt or insolvent or a receiver of the Trustee or of its property shall be appointed or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation,

then, in any such case, (i) the Company by or pursuant to a Board Resolution may remove the Trustee and appoint a successor Trustee with respect to all Securities, or (ii) subject to TIA Section 315(e), any Holder of a Security who has been a bona fide Holder of a Security for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee with respect to all Securities and the appointment of a successor Trustee or Trustees.

(e) If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days after the giving of a notice of resignation or the delivery of an Act of removal, the Trustee resigning or being removed may petition any court of competent jurisdiction for the appointment of a successor Trustee.

(f) If the Trustee shall resign, be removed or become incapable of acting, or if a vacancy shall occur in the office of Trustee for any cause with respect to the Securities of one or more series, the Company, by or pursuant to a Board Resolution, shall promptly appoint a successor Trustee or Trustees with respect to the Securities of that or those series (it being understood that any such successor Trustee may be appointed with respect to the Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Securities of any particular series). If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee with respect to the Securities of any series shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series delivered to the Company and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment, become the successor Trustee with respect to the Securities of such series and to that extent supersede the successor Trustee appointed by the Company. If no successor Trustee with respect to the Securities of any series shall have been so appointed by the Company or the Holders of Securities and accepted appointment in the manner hereinafter provided, any Holder of a Security who has been a bona fide Holder of a Security of such series for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to Securities of such series.

(g) The Company shall give notice of each resignation and each removal of the Trustee with respect to the Securities of any series and each appointment of a successor Trustee with respect to the Securities of any series in the manner provided for notices to the Holders of Securities in Section 1.06. Each notice shall include the name of the successor Trustee with respect to the Securities of such series and the address of its Corporate Trust Office.

Section 6.10 Acceptance of Appointment by Successor.

(a) In case of the appointment hereunder of a successor Trustee with respect to all Securities, every such successor Trustee shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and 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; but, on request of the Company or the successor Trustee, such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee, and shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder, subject nevertheless to its claim, if any, provided for in Section 6.06.

(b) 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 which (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) if the retiring Trustee is not retiring with respect to all Securities, shall contain such provisions as shall be deemed 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 to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust and that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee; and 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; but, on request of the Company or any successor Trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder with respect to the Securities of that or those series to which the appointment of such successor Trustee relates. Whenever there is a successor Trustee with respect to one or more (but less than all) series of securities issued pursuant to this Indenture, the terms "Indenture" and "Securities" shall have the meanings specified in the provisos to the respective definition of those terms in Section 1.01 which contemplate such situation.

(c) Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section, as the case may be.

(d) No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under this Article.

Section 6.11 Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all of the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided such corporation shall be otherwise qualified and eligible under this Article, without the execution or filing of any paper or any further act on the part of any of the parties hereto. In case any Securities or coupons shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Securities or coupons so authenticated with the same effect as if such successor Trustee had itself authenticated such Securities or coupons. In case any Securities or coupons shall not have been authenticated by such predecessor Trustee, any such successor Trustee may authenticate and deliver such Securities or coupons, in either its own name or that of its predecessor Trustee, with the full force and effect which this Indenture provides for the certificate of authentication of the Trustee; provided, however, that, the right to adopt the certificate of authentication of any predecessor Trustee or to authenticate Securities in the name of any predecessor Trustee shall apply only to its successor or successors by merger, conversion or consolidation.

Section 6.12 Appointment of Authenticating Agent.

At any time when any of the Securities remain Outstanding, the Trustee may appoint an Authenticating Agent or Agents acceptable to the Company (which may be an Affiliate or Affiliates of the Company) with respect to one or more series of Securities which shall be authorized to act on behalf of the Trustee to authenticate Securities of such series issued upon original issue or upon exchange, registration of transfer or partial redemption thereof, and Securities so authenticated shall be entitled to the benefits of this Indenture and shall be valid and obligatory for all purposes as if authenticated by the Trustee hereunder. Any such appointment shall be evidenced by an instrument in writing signed by a Responsible Officer of the Trustee, a copy of which instrument shall be promptly furnished to the Company. Wherever reference is made in this Indenture to the authentication and delivery of Securities by the Trustee or the Trustee's certificate of authentication, such reference shall be deemed to include authentication and delivery on behalf of the Trustee by an Authenticating Agent and a certificate of authentication executed on behalf of the Trustee by an Authenticating Agent. Each Authenticating Agent shall be acceptable to the Company and, except as may otherwise be provided pursuant to Section 3.01, shall at all times be a bank or trust company or corporation organized and doing business and in good standing under the laws of the United States of America or of any State or the District of Columbia, authorized under such laws to act as Authenticating Agent, having a combined capital and surplus of not less than \$150,000 and subject to supervision or examination by Federal or State authorities. If such Authenticating Agent publishes reports of condition at least annually, pursuant to law or the requirements of the aforesaid supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such Authenticating Agent shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. In case at any time an Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section, such Authenticating Agent shall resign immediately in the manner and with the effect specified in this Section.

Any corporation into which an Authenticating Agent may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which such Authenticating Agent shall be a party, or any corporation succeeding to the corporate agency or corporate trust business of an Authenticating Agent, shall continue to be an Authenticating Agent, provided such corporation shall be otherwise eligible under this Section, without the execution or filing of any paper or further act on the part of the Trustee or the Authenticating Agent.

An Authenticating Agent for any series of Securities may at any time resign by giving written notice of resignation to the Trustee for such series and to the Company. The Trustee for any series of Securities may at any time terminate the agency of an Authenticating Agent by giving written notice of termination to such Authenticating Agent and to the Company. Upon receiving such a notice of resignation or upon such a termination, or in case at any time such Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section, the Trustee for such series may appoint a successor Authenticating Agent which shall be acceptable to the Company and shall promptly give written notice of such appointment to all Holders of Securities of the series with respect to which such Authenticating Agent will serve in the manner set forth in Section 1.06. Any successor Authenticating Agent upon acceptance of its appointment hereunder shall become vested with all the rights, powers and duties of its predecessor hereunder, with like effect as if originally named as an Authenticating Agent herein. No successor Authenticating Agent shall be appointed unless eligible under the provisions of this Section.

The Company agrees to pay to each Authenticating Agent from time to time reasonable compensation including reimbursement of its reasonable expenses for its services under this Section.

If an appointment with respect to one or more series is made pursuant to this Section, the Securities of such series may have endorsed thereon, in addition to or in lieu of the Trustee's certificate of authentication, an alternate certificate of authentication substantially in the following form:

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

[], as Trustee

By: _____
Authenticating Agent

By: _____
Authorized Officer

If all of the Securities of a series may not be originally issued at one time, and the Trustee does not have an office capable of authenticating Securities upon original issuance located in a Place of Payment where the Company wishes to have Securities of such series authenticated upon original issuance, the Trustee, if so requested by the Company in writing (which writing need not comply with Section 1.02 and need not be accompanied by an Opinion of Counsel), shall appoint in accordance with this Section an Authenticating Agent (which, if so requested by the Company, shall be an Affiliate of the Company) having an office in a Place of Payment designated by the Company with respect to such series of Securities; provided, that, the terms and conditions of such appointment are acceptable to the Trustee.

ARTICLE SEVEN
HOLDERS' LISTS AND REPORTS BY TRUSTEE AND COMPANY

Section 7.01 Disclosure of Names and Addresses of Holders.

In accordance with Section 312(a) of the Trust Indenture Act, the Company shall furnish or cause to be furnished to the Trustee

(1) semi-annually with respect to Securities of each series not later than January 15 and July 15 of the year or upon such other dates as are set forth in or pursuant to the Board Resolution or indenture supplemental hereto authorizing such series, a list, in each case in such form as the Trustee may reasonably require, of the names and addresses of Holders as of the applicable date, and

(2) at such other times as the Trustee may request in writing, within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished,

provided, however, that, so long as the Trustee is the Security Registrar no such list shall be required to be furnished.

Section 7.02 Preservation of Information; Communications to Holders.

The Trustee shall comply with the obligations imposed upon it pursuant to Section 312 of the Trust Indenture Act.

Every Holder of Securities, by receiving and holding the same, agrees with the Company and the Trustee that neither the Company, the Trustee, any Paying Agent or any Security Registrar shall be held accountable by reason of the disclosure of any such information as to the names and addresses of the Holders of Securities in accordance with Section 312 of the Trust Indenture Act, regardless of the source from which such information was derived, and that the Trustee shall not be held accountable by reason of mailing any material pursuant to a request made under Section 312(b) of the Trust Indenture Act.

Section 7.03 Reports by Trustee.

Within 60 days after May 15 of each year commencing with the first May 15 after the first issuance of Securities pursuant to this Indenture, the Trustee shall transmit by mail to all Holders of Securities as provided in TIA Section 313(c) a brief report dated as of such May 15 which meets the requirements of TIA Section 313(a).

A copy of each such report shall, at the time of such transmission to Holders, be filed by the Trustee with each stock exchange, if any, upon which the Securities are listed, with the Commission and with the Company. The Company will promptly notify the Trustee of the listing of the Securities on any stock exchange. The Trustee also will comply with TIA Section 313(b)(2).

Section 7.04 Reports by Company.

The Company will:

(1) file with the Trustee, within 15 days after the Company is required to file the same 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 from time to time by rules and regulations prescribe) which the Company may be required to file with the Commission pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934; or, if the Company is not required to file information, documents or reports pursuant to either of such Sections, then it will file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such of the supplementary and periodic information, documents and reports which may be required pursuant to Section 13 of the Securities Exchange Act of 1934 in respect of a security listed and registered on a national securities exchange as may be prescribed from time to time in such rules and regulations;

(2) file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such additional information, documents and reports with respect to compliance by the Company with the conditions and covenants of this Indenture as may be required from time to time by such rules and regulations; and

The Trustee shall transmit by mail to the Holders of Securities, within 30 days after the filing thereof with the Trustee, in the manner and to the extent provided in TIA Section 313(c), such summaries of any information, documents and reports required to be filed by the Company pursuant to paragraphs (1) and (2) of this Section as may be required by rules and regulations prescribed from time to time by the Commission.

Section 7.05 Calculation of Original Issue Discount.

Upon request of the Trustee, the Company shall file with the Trustee promptly at the end of each calendar year a written notice specifying the amount of original issue discount (including daily rates and accrual periods), if any, accrued on Outstanding Securities as of the end of such year and such other specific information relating to such original issue discount as may then be relevant under the Internal Revenue Code of 1986, as amended from time to time.

Section 7.06 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.

ARTICLE EIGHT CONSOLIDATION, MERGER, CONVEYANCE OR TRANSFER

Section 8.01 Company May Consolidate, Etc., Only on Certain Terms.

The Company shall not consolidate with or merge with or into any other corporation or convey or transfer its properties and assets substantially as an entirety to any Person, unless:

(1) the successor entity or entities, each of which shall be a Corporation organized and existing under the laws of any state of the United States of America or the District of Columbia, any country comprising the European Union, the United Kingdom or Japan shall expressly assume, by an indenture (or indentures, if at such time there is more than one Trustee) supplemental hereto executed by the successor Person and delivered to the Trustee, the due and punctual payment of the principal of, any premium and interest on and any Additional Amounts with respect to all the Securities and the performance of every obligation in this Indenture and the Outstanding Securities on the part of the Company to be performed or observed and shall provide for conversion or exchange rights in accordance with the provisions of the Securities of any series that are convertible or exchangeable into Common Stock or other securities, cash or other property and if any such successor entity is not subject to the jurisdiction of any state of the United States of America or the District of Columbia, such entity submits to jurisdiction for all purposes with respect to the Securities and appoints an agent for service of process in the United States of America;

(2) immediately after giving effect to such transaction or series of transactions, no Event of Default or event which, after notice or lapse of time, or both, would become an Event of Default, shall have occurred and be continuing; and

(3) either the Company or the successor Person shall have delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that such consolidation, merger, conveyance, transfer or lease and, if a supplemental indenture is required in connection with such transaction, such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been complied with.

Notwithstanding the foregoing, the Company may consolidate with, or merge with or into, an Affiliate incorporated for the purpose of incorporating in another jurisdiction of the United States of America or any State thereof or the District of Columbia without complying with the requirement of paragraph (2) above.

Notwithstanding the foregoing (a) the Company may convey, transfer or lease all or substantially all of its properties and assets as an entirety to any Subsidiary or Subsidiaries, in one transaction or a series of related transactions and (b) the transfer by the Company, in a single transaction or series of transactions, of all or substantially all of its cash, cash equivalents and marketable securities of non-Affiliates for which the Company receives fair market value, as determined by its Board of Directors, will not constitute a sale of all or substantially all of the Company's assets.

Section 8.02 Successor Person Substituted.

Upon any consolidation or merger, or any conveyance or transfer of the properties and assets of the Company substantially as an entirety in accordance with Section 8.01, the successor corporation formed by such consolidation or into which the Company is merged or the successor Person to which such conveyance or transfer is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor had been named as the Company herein; and in the event of any such conveyance or transfer, the Company shall be discharged from all obligations and covenants under this Indenture and the Securities and coupons and may be dissolved and liquidated.

ARTICLE NINE SUPPLEMENTAL INDENTURES

Section 9.01 Supplemental Indentures Without Consent of Holders.

Without the consent of any Holders of Securities or coupons, the Company, when authorized by or pursuant to a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form reasonably satisfactory to the Trustee, for any of the following purposes:

(1) to evidence the succession of another Person to the Company and the assumption by any such successor of the covenants of the Company herein and in the Securities contained; or

(2) to add to the covenants of the Company for the benefit of the Holders of all or any series of Securities or any coupon appertaining thereto (and if such covenants are to be for the benefit of less than all series of Securities, stating that such covenants are expressly being included solely for the benefit of such series) or to surrender any right or power herein conferred upon the Company; or

(3) to add any additional Events of Default for the benefit of the Holders of all or any series of Securities (and if such Events of Default are to be for the benefit of less than all series of Securities, stating that such Events of Default are expressly being included solely for the benefit of such series); provided, however, that, in respect of any such additional Events of Default such supplemental indenture may provide for a particular period of grace after default (which period may be shorter or longer than that allowed in the case of other defaults) or may provide for an immediate enforcement upon such default or may limit the remedies available to the Trustee upon such default or may limit the right of the Holders of a majority in aggregate principal amount of that or those series of Securities to which such additional Events of Default apply to waive such default; or

(4) to add to or change any of the provisions of this Indenture to provide that Bearer Securities may be registrable as to principal, to change or eliminate any restrictions on the payment of principal of or any premium or interest on Bearer Securities, to permit Bearer Securities to be issued in exchange for Registered Securities, to permit Bearer Securities to be issued in exchange for Bearer Securities of other authorized denominations or to permit or facilitate the issuance of Securities in uncertificated form; provided, that any such action shall not adversely affect the interests of the Holders of Securities of any series or any related coupons in any material respect; or

(5) to change or eliminate any of the provisions of this Indenture; provided, that, any such change or elimination shall become effective only when there is no Security Outstanding of any series created prior to the execution of such supplemental indenture which is entitled to the benefit of such provision; or

(6) to secure the Securities; or

(7) to establish the form or terms of Securities of any series and any related coupons as permitted by Sections 2.01 and 3.01, including the provisions and procedures relating to Securities convertible into or exchangeable for any securities of any Person (including the Company); or

(8) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to the Securities of one or more series and to add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee; or

(9) to cure any ambiguity, to correct or supplement any provision herein which may be inconsistent with any other provision herein, or to make any other provisions with respect to matters or questions arising under this Indenture; provided, that, such action shall not adversely affect the interests of the Holders of Securities of any series or any related coupons in any material respect; or

(10) to supplement any of the provisions of this Indenture to such extent as shall be necessary to permit or facilitate the defeasance and discharge of any series of Securities pursuant to Sections 4.01, 14.02 and 14.03; provided, that, any such action shall not adversely affect the interests of the Holders of Securities of such series and any related coupons or any other series of Securities in any material respect.

Section 9.02 Supplemental Indentures with Consent of Holders.

With the consent of the Holders of not less than a majority in aggregate principal amount of all Outstanding Securities affected by such supplemental indenture, by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by or pursuant to a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture which affects such series of Securities or of modifying in any manner the rights of the Holders of such series of Securities and any related coupons under this Indenture; provided, however, that, no such supplemental indenture shall, without the consent of the Holder of each Outstanding Security affected thereby:

(1) change the Stated Maturity of the principal of (or premium, if any) or any installment of principal of or interest on, any Security, subject to the provisions of Section 3.08; or the terms of any sinking fund with respect to any Security; or reduce the principal amount thereof or the rate of interest (or change the manner of calculating the rate of interest, thereon, or any premium payable upon the redemption thereof, or change any obligation of the Company to pay Additional Amounts pursuant to Section 10.04 (except as contemplated by Section 8.01(1) and permitted by Section 9.01(1)), or reduce the portion of the principal of an Original Issue Discount Security or Indexed Security that would be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 5.02, or upon the redemption thereof or the amount thereof provable in bankruptcy pursuant to Section 5.04, or adversely affect any right of repayment at the option of the Holder of any Security, or change any Place of

Payment where, or the Currency in which, any Security or any premium or interest thereon is payable, or impair the right to institute suit for the enforcement of any such payment on or after the Stated Maturity thereof (or, in the case of redemption or repayment at the option of the Holder, on or after the Redemption Date or the Repayment Date, as the case may be), or adversely affect any right to convert or exchange any Security as may be provided pursuant to Section 3.01 herein, or

(2) reduce the percentage in principal amount of the Outstanding Securities of any series, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any waiver with respect to such series (of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences) provided for in this Indenture, or reduce the requirements for quorum or voting, or

(3) modify any of the provisions of this Section or Section 5.13, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Security affected thereby; provided, however, that, this clause shall not be deemed to require the consent of any Holder of a Security or coupon with respect to changes in the references to “the Trustee” and concomitant changes in this Section, or the deletion of this proviso, in accordance with the requirements of Sections 6.10(b) and 9.01(8).

It shall not be necessary for any Act of Holders under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Securities, or which 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.

The Company may, but shall not be obligated to, fix a record date for the purpose of determining the Persons entitled to consent to any indenture supplemental hereto. If a record date is fixed, the Holders on such record date, or their duly designated proxies, and only such Persons, shall be entitled to consent to such supplemental indenture, whether or not such Holders remain Holders after such record date; provided, that, unless such consent shall have become effective by virtue of the requisite percentage having been obtained prior to the date which is 90 days after such record date, any such consent previously given shall automatically and without further action by any Holder be cancelled and of no further effect.

Section 9.03 Execution of Supplemental Indentures.

In executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modification thereby of the trusts created by this Indenture, the Trustee shall be entitled to receive, and shall be fully protected in relying upon, in addition to the documents required by Section 1.02 of this Indenture, an Opinion of Counsel stating that the execution of such supplemental indenture is authorized or permitted by this Indenture. The Trustee may, but shall not be obligated to, enter into any such supplemental indenture which affects the Trustee’s own rights, duties or immunities under this Indenture or otherwise.

Section 9.04 Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Securities theretofore or thereafter authenticated and delivered hereunder and of any coupon appertaining thereto shall be bound thereby.

Section 9.05 Conformity with Trust Indenture Act.

Every supplemental indenture executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

Section 9.06 Reference in Securities to Supplemental Indentures.

Securities of any series authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall, if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Securities of any series so modified as to conform, in the opinion of the Trustee and the Company, to any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for Outstanding Securities of such series.

ARTICLE TEN COVENANTS

Section 10.01 Payment of Principal, Premium, if any, and Interest.

The Company covenants and agrees for the benefit of the Holders of each series of Securities and any coupons appertaining thereto that it will duly and punctually pay the principal of (and premium, if any) and interest, if any, on the Securities of that series in accordance with the terms of such series of Securities, any coupons appertaining thereto and this Indenture. Any interest due on Bearer Securities on or before Maturity, other than Additional Amounts, if any, payable as provided in Section 10.04 in respect of principal of (or premium, if any) such a Security, shall be payable only upon presentation and surrender of the several coupons for such interest installments as are evidenced thereby as they severally mature. Unless otherwise specified with respect to Securities of any series pursuant to Section 3.01, at the option of the Company, all payments of principal may be paid by check to the registered Holder of the Security or other person entitled thereto against surrender of such Security.

Section 10.02 Maintenance of Office or Agency.

If Securities of a series are issuable only as Registered Securities, the Company shall maintain in each Place of Payment for any series of Securities an office or agency where Securities of that series may be presented or surrendered for payment, where Securities of that series may be surrendered for registration of transfer or exchange, where Securities of that series that are convertible or exchangeable may be surrendered for conversion or exchange, as applicable, and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served. If Securities of a series are issuable as Bearer Securities, the Company will maintain (A) in The City of New York, an office or agency where any Registered Securities of that series may be presented or surrendered for payment, where any Registered Securities of that series may be surrendered for registration of transfer, where Securities of that series may be surrendered for exchange, where Securities of that series that are convertible or exchangeable may be surrendered for conversion or exchange, as applicable, and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served and where Bearer Securities of that series and related coupons may be presented or surrendered for payment in the circumstances described in the following paragraph (and not otherwise), (B) subject to any laws or regulations applicable thereto, in a Place of Payment for that series which is located outside the United States, an office or agency where Securities of that series and related coupons may be presented and surrendered for payment (including payment of any Additional Amounts payable on Securities of that series pursuant to Section 10.04); provided, however, that, if the Securities of that series are listed on the Luxembourg Stock Exchange or any other stock exchange located outside the United States and such stock exchange shall so require, the Company will maintain a Paying Agent for the Securities of that series in Luxembourg or any other required city located outside the United States, as the case may be, so long as the Securities of that series are listed on such exchange, and (C) subject to any laws or regulations applicable thereto, in a Place of Payment for that series located outside the United States an office or agency where any Registered Securities of that series may be surrendered for registration of transfer, where Securities of that series may be surrendered for exchange, where Securities of that series that are convertible or exchangeable may be surrendered for conversion or exchange, as applicable and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served. The Company will give prompt written notice to the Trustee of the location, and any change in the location, of each such office or agency. If at any time the Company shall fail to maintain any such required office or agency in respect of any series of Securities 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, except that Bearer Securities of that

series and the related coupons may be presented and surrendered for payment (including payment of any Additional Amounts payable on Bearer Securities of that series pursuant to Section 10.04) at the offices specified in the Security, and the Company hereby appoints the same as its agent to receive such respective presentations, surrenders, notices and demands, and the Company hereby appoints the Trustee its agent to receive all such presentations, surrenders, notices and demands.

Unless otherwise specified with respect to any Securities pursuant to Section 3.01, no payment of principal, premium or interest on Bearer Securities shall be made at any office or agency of the Company in the United States or by check mailed to any address in the United States or by transfer to any account maintained with a financial institution located in the United States; provided, however, that, if the Securities of a series are denominated and payable in Dollars, payment of principal of (and premium, if any) and interest, if any, on any Bearer Security (including payment of any Additional Amounts payable on Bearer Securities of that series pursuant to Section 10.04) shall be made at the office of the Company's Paying Agent in The City of New York, if (but only if) payment in Dollars of the full amount of such principal, premium, if any, interest or Additional Amounts, as the case may be, at all offices or agencies outside the United States maintained for such purpose by the Company in accordance with this Indenture, is illegal or effectively precluded by exchange controls or other similar restrictions.

The Company may also from time to time designate one or more other offices or agencies where the Securities of one or more series may be presented or surrendered for any or all of 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 accordance with the requirements set forth above for Securities of any series for such purposes. The Company will 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. Unless otherwise specified with respect to any Securities pursuant to Section 3.01 with respect to a series of Securities, the Company hereby designates as a Place of Payment for each series of Securities the office or agency of the Company in The City of New York, and initially appoints the Trustee at its Corporate Trust Office as Paying Agent in The City of New York and as its agent to receive all such presentations, surrenders, notices and demands.

Unless otherwise specified with respect to any Securities pursuant to Section 3.01, if and so long as the Securities of any series (i) are denominated in a currency other than Dollars or (ii) may be payable in a currency other than Dollars, or so long as it is required under any other provision of the Indenture, then the Company will maintain with respect to each such series of Securities, or as so required, at least one Exchange Rate Agent.

Section 10.03 Money for Securities Payments to Be Held in Trust.

If the Company shall at any time act as its own Paying Agent with respect to any series of any Securities and any related coupons, it will, on or before each due date of the principal of (or premium, if any) or interest, if any, on any of the Securities of that series, segregate and hold in trust for the benefit of the Persons entitled thereto a sum in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)) sufficient to pay the principal (and premium, if any) and interest, if any, on Securities of such series so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided, and will promptly notify the Trustee of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents for any series of Securities and any related coupons, it will, on or before each due date of the principal of (or premium, if any) or interest, if any, on any Securities of that series, deposit with a Paying Agent a sum (in the Currency or Currencies described in the preceding paragraph) sufficient to pay the principal (or premium, if any) or interest, if any, so becoming due, such sum of money to be held in trust for the benefit of the Persons entitled to such principal, premium 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 may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums of money held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such sums.

Except as otherwise provided in the Securities of any series, 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 (or premium, if any) or interest, if any, on any Security of any series, or any coupon appertaining thereto, and remaining unclaimed for two years after such principal, premium or interest has become due and payable shall be paid to the Company upon Company Request, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Security or any coupon appertaining thereto shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such money held in trust, 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 an Authorized Newspaper, 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 publication, any unclaimed balance of such money then remaining will be repaid to the Company.

Section 10.04 Additional Amounts.

If the Securities of a series provide for the payment of Additional Amounts, the Company will pay to the Holder of any Security of such series or any coupon appertaining thereto such Additional Amounts as may be specified as contemplated by Section 3.01. Whenever in this Indenture there is mentioned, in any context, the payment of the principal of (or premium, if any) or interest, if any, on any Security of any series or payment of any related coupon or the net proceeds received on the sale or exchange of any Security of any series, such mention shall be deemed to include mention of the payment of Additional Amounts provided for by the terms of such series established pursuant to Section 3.01 to the extent that, in such context, Additional Amounts are, were or would be payable in respect thereof pursuant to such terms and express mention of the payment of Additional Amounts (if applicable) in any provisions hereof shall not be construed as excluding Additional Amounts in those provisions hereof where such express mention is not made.

Except as otherwise specified as contemplated by Section 3.01, if the Securities of a series provide for the payment of Additional Amounts, at least 10 days prior to the first Interest Payment Date with respect to that series of Securities (or if the Securities of that series will not bear interest prior to Maturity, the first day on which a payment of principal premium is made), and at least 10 days prior to each date of payment of principal, premium or interest if there has been any change with respect to the matters set forth in the below-mentioned Officers' Certificate, the Company will furnish the Trustee and the Company's principal Paying Agent or Paying Agents, if other than the Trustee, with an Officers' Certificate instructing the Trustee and such Paying Agent or Paying Agents whether such payment of principal, premium or interest on the Securities of that series shall be made to Holders of Securities of that series or any related coupons who are not United States persons without withholding for or on account of any tax, assessment or other governmental charge described in the Securities of that series. If any such withholding shall be required, then such Officers' Certificate shall specify by country the amount, if any, required to be withheld on such payments to such Holders of Securities of that series or related coupons and the Company will pay to the Trustee or such Paying Agent the Additional Amounts required by the terms of such Securities. In the event that the Trustee or any Paying Agent, as the case may be, shall not so receive the above-mentioned certificate, then the Trustee or such Paying Agent shall be entitled (i) to assume that no such withholding or deduction is required with respect to any payment of principal or interest with respect to any Securities of a series or related coupons until it shall have received a certificate advising otherwise and (ii) to make all payments of principal and interest with respect to the Securities of a series or related coupons without withholding or deductions until otherwise advised. The Company covenants to indemnify the Trustee and any Paying Agent for, and to hold them harmless against, any loss, liability or expense reasonably incurred without negligence or bad faith on their part arising out of or in connection with actions taken or omitted by any of them in reliance on any Officers' Certificate furnished pursuant to this Section or in reliance on the Company's not furnishing such an Officers' Certificate.

Section 10.05 Statement as to Compliance.

(a) The Company will deliver to the Trustee, within 120 days after the end of each fiscal year ending after the date hereof so long as any Security is Outstanding hereunder, a brief certificate from the principal executive officer, principal financial officer or principal accounting officer of the Company as to his or her knowledge of the Company's compliance with all conditions and covenants under this Indenture. For purposes of this Section 10.05, such compliance shall be determined without regard to any period of grace or requirement of notice under this Indenture.

Section 10.06 Corporate Existence.

Subject to Article Eight, the Company shall do or cause to be done all things necessary to preserve and keep in full force and effect the corporate existence and related rights and franchises (charter and statutory) of the Company and each of its Subsidiaries; provided, however, that, the Company shall not be required to preserve any such right or franchise or the corporate existence of any such Subsidiary if the Board of Directors of the Company shall determine that the preservation thereof is no longer desirable in the conduct of the business of the Company and its Subsidiaries as a whole and that the loss thereof would not reasonably be expected to have a material adverse effect on the ability of the Company to perform its obligations hereunder; and provided, further, however, that, the foregoing shall not prohibit a sale, transfer or conveyance of a Subsidiary of the Company or any of its assets in compliance with the terms of this Indenture.

Section 10.07 Waiver of Certain Covenants.

The Company may omit in any particular instance to comply with any covenants of the Company added to Article Ten pursuant to Section 3.01(14) or Section 3.01(15) in connection with the Securities of a series, if before or after the time for such compliance the Holders of at least a majority in aggregate principal amount of all Outstanding Securities of such series, by Act of such Holders, either waive such compliance in such instance or generally waive compliance with such covenant or condition, but no such waiver shall extend to or affect such covenant or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such covenant or condition shall remain in full force and effect.

ARTICLE ELEVEN REDEMPTION OF SECURITIES

Section 11.01 Applicability of Article.

Securities of any series which are redeemable before their Stated Maturity shall be redeemable in accordance with their terms and (except as otherwise specified as contemplated by Section 3.01 for Securities of any series) in accordance with this Article.

Section 11.02 Election to Redeem; Notice to Trustee.

The election of the Company to redeem any Securities shall be evidenced by or pursuant to a Board Resolution. In case of any redemption at the election of the Company of less than all of the Securities of any series, the Company shall, at least 60 days prior to the Redemption Date fixed by the Company (unless a shorter notice shall be satisfactory to the Trustee), notify the Trustee in writing of such Redemption Date and of the principal amount of Securities of such series to be redeemed, and, if applicable, of the tenor of the Securities to be redeemed, and shall deliver to the Trustee such documentation and records as shall enable the Trustee to select the Securities to be redeemed pursuant to Section 11.03. In the case of any redemption of Securities of any series prior to the expiration of any restriction on such redemption provided in the terms of such Securities or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with such restriction.

Section 11.03 Selection by Trustee of Securities to Be Redeemed.

If less than all the Securities of any series issued on the same day with the same terms are to be redeemed, the particular Securities to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Securities of such series issued on such date with the same terms not previously called for redemption, by such method as the Trustee shall deem fair and appropriate; provided, that, such method

complies with the rules of any national securities exchange or quotation system on which the Securities are listed, and may provide for the selection for redemption of portions (equal to the minimum authorized denomination for Securities of that series or any integral multiple thereof) of the principal amount of Securities of such series of a denomination larger than the minimum authorized denomination for Securities of that series; provided, however, that, no such partial redemption shall reduce the portion of the principal amount of a Security not redeemed to less than the minimum authorized denomination for Securities of such series.

The Trustee shall promptly notify the Company and the Security Registrar (if other than itself) in writing of the Securities selected for redemption and, in the case of any Securities selected for partial redemption, the principal amount thereof to be redeemed.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Securities shall relate, in the case of any Security redeemed or to be redeemed only in part, to the portion of the principal amount of such Security which has been or is to be redeemed.

Section 11.04 Notice of Redemption.

Notice of redemption shall be given in the manner provided in Section 1.06, not less than 30 days nor more than 60 days prior to the Redemption Date, unless a shorter period is specified by the terms of such series established pursuant to Section 3.01, to each Holder of Securities to be redeemed, but failure to give such notice in the manner herein provided to the Holder of any Security designated for redemption as a whole or in part, or any defect in the notice to any such Holder, shall not affect the validity of the proceedings for the redemption of any other such Security or portion thereof.

Any notice that is mailed to the Holders of Registered Securities in the manner herein provided shall be conclusively presumed to have been duly given, whether or not the Holder receives the notice.

All notices of redemption shall state:

(1) the Redemption Date,

(2) the Redemption Price and accrued interest, if any, to the Redemption Date payable as provided in Section 11.06,

(3) if less than all Outstanding Securities of any series are to be redeemed, the identification (and, in the case of partial redemption, the principal amount) of the particular Security or Securities to be redeemed,

(4) in case any Security is to be redeemed in part only, the notice which relates to such Security shall state that on and after the Redemption Date, upon surrender of such Security, the Holder will receive, without a charge, a new Security or Securities of authorized denominations for the principal amount thereof remaining unredeemed,

(5) that on the Redemption Date, the Redemption Price and accrued interest, if any, to the Redemption Date payable as provided in Section 11.06 will become due and payable upon each such Security, or the portion thereof, to be redeemed and, if applicable, that interest thereon shall cease to accrue on and after said date,

(6) the Place or Places of Payment where such Securities, together in the case of Bearer Securities with all coupons appertaining thereto, if any, maturing after the Redemption Date, are to be surrendered for payment of the Redemption Price and accrued interest, if any,

(7) that the redemption is for a sinking fund, if such is the case,

(8) that, unless otherwise specified in such notice, Bearer Securities of any series, if any, surrendered for redemption must be accompanied by all coupons maturing subsequent to the Redemption Date or the amount of any such missing coupon or coupons will be deducted from the Redemption Price, unless security or indemnity satisfactory to the Company, the Trustee for such series and any Paying Agent is furnished,

(9) if Bearer Securities of any series are to be redeemed and any Registered Securities of such series are not to be redeemed, and if such Bearer Securities may be exchanged for Registered Securities not subject to redemption on this Redemption Date pursuant to Section 3.05 or otherwise, the last date, as determined by the Company, on which such exchanges may be made, and

(10) the CUSIP number of such Security, if any.

A notice of redemption published as contemplated by Section 1.06 need not identify particular Registered Securities to be redeemed. Notice of redemption of Securities to be redeemed shall be given by the Company or, at the Company's request, by the Trustee in the name and at the expense of the Company.

Section 11.05 Deposit of Redemption Price.

On or prior to 10:00 am, New York City time, on any Redemption Date, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, which it may not do in the case of a sinking fund payment under Article Twelve, segregate and hold in trust as provided in Section 10.03) an amount of money in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)) sufficient to pay on the Redemption Date the Redemption Price of, and (unless otherwise specified pursuant to Section 3.01) accrued interest on, all the Securities or portions thereof which are to be redeemed on that date.

Section 11.06 Securities Payable on Redemption Date.

Notice of redemption having been given as aforesaid, the Securities so to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)) (together with accrued interest, if any, to the Redemption Date), and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest, if any) such Securities shall if the same were interest-bearing cease to bear interest and the coupons for such interest appertaining to any Bearer Securities so to be redeemed, except to the extent provided below, shall be void. Upon surrender of any such Security for redemption in accordance with said notice, together with all coupons, if any, appertaining thereto maturing after the Redemption Date, such Security shall be paid by the Company at the Redemption Price, together with accrued interest, if any, to the Redemption Date; provided, however, that, installments of interest on Bearer Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable only at an office or agency located outside the United States (except as otherwise provided in Section 10.02) and, unless otherwise specified as contemplated by Section 3.01, only upon presentation and surrender of coupons for such interest; and provided, further, that, unless otherwise specified as contemplated by Section 3.01, installments of interest on Registered Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable to the Holders of such Securities, or one or more Predecessor Securities, registered as such at the close of business on the relevant Record Dates according to their terms and the provisions of Section 3.07.

If any Bearer Security surrendered for redemption shall not be accompanied by all appurtenant coupons maturing after the Redemption Date, such Security may be paid after deducting from the Redemption Price an amount equal to the face amount of all such missing coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Security shall surrender to the Trustee or any Paying Agent any such missing coupon in respect of which a deduction shall have been made from the Redemption Price, such Holder shall be entitled to receive the amount so deducted; provided, however, that, interest represented by coupons shall be payable only at an office or agency located outside the United States (except as otherwise provided in Section 10.02) and, unless otherwise specified as contemplated by Section 3.01, only upon presentation and surrender of those coupons.

If any Security called for redemption shall not be so paid upon surrender thereof for redemption, the Redemption Price shall, until paid, bear interest from the Redemption Date at the rate of interest set forth in such Security or, in the case of an Original Issue Discount Security, at the Yield to Maturity of such Security.

Section 11.07 Securities Redeemed in Part.

Any Registered Security which is to be redeemed only in part (pursuant to the provisions of this Article or of Article Twelve) shall be surrendered at a Place of Payment therefor (with, if the Company or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company and the Trustee duly executed by, the Holder thereof or such Holder's attorney duly authorized in writing) and the Company shall execute and the Trustee shall authenticate and deliver to the Holder of such Security without service charge a new Security or Securities of the same series and of like tenor, of any authorized denomination as requested by such Holder in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Security so surrendered. If a temporary global Security or permanent global Security is so surrendered, such new Security so issued shall be a new temporary global Security or permanent global Security, respectively. However, if less than all the Securities of any series with differing issue dates, interest rates and stated maturities are to be redeemed, the Company in its sole discretion shall select the particular Securities to be redeemed and shall notify the Trustee in writing thereof at least 45 days prior to the relevant redemption date.

Section 11.08 Repurchases on the Open Market.

The Company or any Affiliate of the Company may at any time or from time to time repurchase any of the Securities in the open market or otherwise. Such Securities may, at the option of the Company or the relevant Affiliate of the Company, be held, resold or surrendered to the Trustee for cancellation.

ARTICLE TWELVE SINKING FUNDS

Section 12.01 Applicability of Article.

The provisions of this Article shall be applicable to any sinking fund for the retirement of Securities of a series except as otherwise specified as contemplated by Section 3.01 for Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a "mandatory sinking fund payment", and any payment in excess of such minimum amount provided for by the terms of such Securities of any series is herein referred to as an "optional sinking fund payment". If provided for by the terms of any Securities of any series, the cash amount of any mandatory sinking fund payment may be subject to reduction as provided in Section 12.02. Each sinking fund payment shall be applied to the redemption of Securities of any series as provided for by the terms of Securities of such series.

Section 12.02 Satisfaction of Sinking Fund Payments with Securities.

The Company may, in satisfaction of all or any part of any mandatory sinking fund payment with respect to the Securities of a series, (1) deliver Outstanding Securities of such series (other than any previously called for redemption) together in the case of any Bearer Securities of such series with all unmatured coupons appertaining thereto and (2) apply as a credit Securities of such series which have been redeemed either at the election of the Company pursuant to the terms of such Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Securities, as provided for by the terms of such Securities; provided, that, such Securities so delivered or applied as a credit have not been previously so credited. Such Securities shall be received and credited for such purpose by the Trustee at the applicable Redemption Price specified in such Securities for redemption through operation of the sinking fund and the amount of such mandatory sinking fund payment shall be reduced accordingly.

Section 12.03 Redemption of Securities for Sinking Fund.

Not less than 60 days prior to each sinking fund payment date for Securities of any series, the Company will deliver to the Trustee an Officers' Certificate specifying the amount of the next ensuing mandatory sinking fund payment for that series pursuant to the terms of that series, the portion thereof, if any, which is to be satisfied by payment of cash in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)) and the portion thereof, if any, which is to be satisfied by delivering and crediting Securities of that series pursuant to Section 12.02, and the optional amount, if any, to be added in cash to the next ensuing mandatory sinking fund payment, and will also deliver to the Trustee any Securities to be so delivered and credited. If such Officers' Certificate shall specify an optional amount to be added in cash to the next ensuing mandatory sinking fund payment, the Company shall thereupon be obligated to pay the amount therein specified. Not less than 30 days before each such sinking fund payment date the Trustee shall select the Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 11.03 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 11.04. Such notice having been duly given, the redemption of such Securities shall be made upon the terms and in the manner stated in Sections 11.06 and 11.07.

ARTICLE THIRTEEN REPAYMENT AT THE OPTION OF HOLDERS

Section 13.01 Applicability of Article.

Repayment of Securities of any series before their Stated Maturity at the option of Holders thereof shall be made in accordance with the terms of such Securities and (except as otherwise specified by the terms of such series established pursuant to Section 3.01) in accordance with this Article.

Section 13.02 Repayment of Securities.

Securities of any series subject to repayment in whole or in part at the option of the Holders thereof will, unless otherwise provided in the terms of such Securities, be repaid at the Repayment Price thereof, together with interest, if any, thereon accrued to the Repayment Date specified in or pursuant to the terms of such Securities. The Company covenants that on or before 10:00 am, New York City time, on the Repayment Date it will deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 10.03) an amount of money in the Currency in which the Securities of such series are payable (except as otherwise specified pursuant to Section 3.01 for the Securities of such series and except, if applicable, as provided in Sections 3.12(b), 3.12(d) and 3.12(e)) sufficient to pay the Repayment Price of, and (unless otherwise specified pursuant to Section 3.01) accrued interest on, all the Securities or portions thereof, as the case may be, to be repaid on such date.

Section 13.03 Exercise of Option.

Securities of any series subject to repayment at the option of the Holders thereof will contain an "Option to Elect Repayment" form on the reverse of such Securities. To be repaid at the option of the Holder, any Security so providing for such repayment, with the "Option to Elect Repayment" form on the reverse of such Security duly completed by the Holder (or by the Holder's attorney duly authorized in writing), must be received by the Company at the Place of Payment therefor specified in the terms of such Security (or at such other place or places of which the Company shall from time to time notify the Holders of such Securities) not earlier than 45 days nor later than 30 days prior to the Repayment Date. If less than the entire Repayment Price of such Security is to be repaid in accordance with the terms of such Security, the portion of the Repayment Price of such Security to be repaid, in increments of the minimum denomination for Securities of such series, and the denomination or denominations of the Security or Securities to be issued to the Holder for the portion of such Security surrendered that is not to be repaid, must be specified. Any Security providing for repayment at the option of the Holder thereof may not be repaid in part if, following such repayment, the unpaid principal amount of such Security would be less than the minimum authorized denomination of Securities of the series of which such Security to be repaid is a part. Except as otherwise may be provided by the terms of any Security providing for repayment at the option of the Holder thereof, exercise of the repayment option by the Holder shall be irrevocable unless waived by the Company.

Section 13.04 When Securities Presented for Repayment Become Due and Payable.

If Securities of any series providing for repayment at the option of the Holders thereof shall have been surrendered as provided in this Article and as provided by or pursuant to the terms of such Securities, such Securities or the portions thereof, as the case may be, to be repaid shall become due and payable and shall be paid by the Company on the Repayment Date therein specified, and on and after such Repayment Date (unless the Company shall default in the payment of such Securities on such Repayment Date) such Securities shall, if the same were interest-bearing, cease to bear interest and the coupons for such interest appertaining to any Bearer Securities so to be repaid, except to the extent provided below, shall be void. Upon surrender of any such Security for repayment in accordance with such provisions, together with all coupons, if any, appertaining thereto maturing after the Repayment Date, the Repayment Price of such Security so to be repaid shall be paid by the Company, together with accrued interest, if any, to the Repayment Date; provided, however, that, coupons whose Stated Maturity is on or prior to the Repayment Date shall be payable only at an office or agency located outside the United States (except as otherwise provided in Section 10.02) and, unless otherwise specified pursuant to Section 3.01, only upon presentation and surrender of such coupons; and provided, further, that, installments of interest on Registered Securities, whose Stated Maturity is prior to (or, if specified pursuant to Section 3.01, on) the Repayment Date shall be payable (but without interest thereon, unless the Company shall default in the payment thereof) to the Holders of such Securities, or one or more Predecessor Securities, registered as such at the close of business on the relevant Record Dates according to their terms and the provisions of Section 3.07.

If any Bearer Security surrendered for repayment shall not be accompanied by all appurtenant coupons maturing after the Repayment Date, such Security may be paid after deducting from the amount payable therefor as provided in Section 13.02 an amount equal to the face amount of all such missing coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Security shall surrender to the Trustee or any Paying Agent any such missing coupon in respect of which a deduction shall have been made as provided in the preceding sentence, such Holder shall be entitled to receive the amount so deducted; provided, however, that, interest represented by coupons shall be payable only at an office or agency located outside the United States (except as otherwise provided in Section 10.02) and, unless otherwise specified as contemplated by Section 3.01, only upon presentation and surrender of those coupons.

If any Security surrendered for repayment shall not be so repaid upon surrender thereof, the Repayment Price shall, until paid, bear interest from the Repayment Date at the rate of interest set forth in such Security or, in the case of an Original Issue Discount Security, at the Yield to Maturity of such Security.

Section 13.05 Securities Repaid in Part.

Upon surrender of any Registered Security which is to be repaid in part only, the Company shall execute and the Trustee shall authenticate and deliver to the Holder of such Security, without service charge and at the expense of the Company, a new Registered Security or Securities of the same series, and of like tenor, of any authorized denomination specified by the Holder, in an aggregate principal amount equal to and in exchange for the portion of the principal of such Security so surrendered which is not to be repaid. If a temporary global Security or permanent global Security is so surrendered, such new Security so issued shall be a new temporary global Security or a new permanent global Security, respectively.

ARTICLE FOURTEEN DEFESANCE AND COVENANT DEFESANCE

Section 14.01 Applicability of Article; Company's Option to Effect Defeasance or Covenant Defeasance.

If pursuant to Section 3.01 provision is made for either or both of (a) defeasance of the Securities of or within a series under Section 14.02 or (b) covenant defeasance of the Securities of or within a series under Section 14.03, then the provisions of such Section or Sections, as the case may be, together with the other provisions of this Article (with such modifications thereto as may be specified pursuant to Section 3.01 with respect to any Securities), shall be applicable to such Securities and any coupons appertaining thereto, and the Company may at its option by Board Resolution, at any time, with respect to such Securities and any coupons appertaining thereto, elect to have either Section 14.02 (if applicable) or Section 14.03 (if applicable) be applied to such Outstanding Securities and any coupons appertaining thereto upon compliance with the conditions set forth below in this Article.

Section 14.02 Defeasance and Discharge.

Upon the Company's exercise of the above option applicable to this Section with respect to any Securities of or within a series, the Company shall be deemed to have been discharged from its obligations with respect to such Outstanding Securities and any coupons appertaining thereto on and after the date the conditions set forth in Section 14.04 are satisfied (hereinafter, "defeasance"). For this purpose, such defeasance means that the Company shall be deemed to have paid and discharged the entire indebtedness represented by such Outstanding Securities and any coupons appertaining thereto, which shall thereafter be deemed to be "Outstanding" only for the purposes of Section 14.05 and the other Sections of this Indenture referred to in clauses (A) and (B) of this Section, and to have satisfied all its other obligations under such Securities and any coupons appertaining thereto and this Indenture insofar as such Securities and any coupons appertaining thereto are concerned (and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging the same), except for the following which shall survive until otherwise terminated or discharged hereunder: (A) the rights of Holders of such Outstanding Securities and any coupons appertaining thereto to receive, solely from the trust fund described in Section 14.04 and as more fully set forth in such Section, payments in respect of the principal of (and premium, if any) and interest, if any, on such Securities and any coupons appertaining thereto when such payments are due, (B) the Company's obligations with respect to such Securities under Sections 3.05, 3.06, 10.02 and 10.03 and with respect to the payment of Additional Amounts, if any, on such Securities as contemplated by Section 10.04, (C) the rights, powers, trusts, duties and immunities of the Trustee hereunder and (D) this Article. Subject to compliance with this Article Fourteen, the Company may exercise its option under this Section notwithstanding the prior exercise of its option under Section 14.03 with respect to such Securities and any coupons appertaining thereto. Following a defeasance, payment of such Securities may not be accelerated because of an Event of Default.

Section 14.03 Covenant Defeasance.

Upon the Company's exercise of the above option applicable to this Section with respect to any Securities of or within a series, the Company shall be released from its obligations under any covenant, with respect to such Outstanding Securities and any coupons appertaining thereto on and after the date the conditions set forth in Section 14.04 are satisfied (hereinafter, "covenant defeasance"), and such Securities and any coupons appertaining thereto shall thereafter be deemed to be 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 other covenant, but shall continue to be deemed "Outstanding" for all other purposes hereunder. For this purpose, such covenant defeasance means that, with respect to such Outstanding Securities and any coupons appertaining thereto, the Company may omit to comply with and shall have no liability in respect of any term, condition or limitation set forth in any such Section or such other covenant, whether directly or indirectly, by reason of any reference elsewhere herein to any such Section or such other covenant or by reason of reference in any such Section or such other 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 5.01(4) or 5.01(7) or otherwise, as the case may be, but, except as specified above, the remainder of this Indenture and such Securities and any coupons appertaining thereto shall be unaffected thereby. Following a covenant defeasance, payment of such Securities may not be accelerated because of an Event of Default solely by reference to such Sections specified above in this Section 14.03.

Section 14.04 Conditions to Defeasance or Covenant Defeasance.

The following shall be the conditions to application of either Section 14.02 or Section 14.03 to any Outstanding Securities of or within a series and any coupons appertaining thereto:

(a) The Company shall have irrevocably deposited or caused to be irrevocably deposited with the Trustee (or another trustee satisfying the requirements of Section 6.07 who shall agree to comply with the provisions of this Article Fourteen applicable to it) as trust funds in trust for the purpose of making the following payments, specifically pledged as security for the benefit of, and dedicated solely to, the Holders of such Securities and any coupons appertaining thereto, (1) an amount (in such Currency in which such Securities and any coupons appertaining thereto are then specified as payable at Stated Maturity), or (2) Government Obligations applicable to

such Securities and coupons appertaining thereto (determined on the basis of the Currency in which such Securities and coupons appertaining thereto are then specified as payable at Stated Maturity) which through the scheduled payment of principal and interest in respect thereof in accordance with their terms will provide, not later than one day before the due date of any payment of principal of (and premium, if any) and interest, if any, on such Securities and any coupons appertaining thereto, money in an amount, or (3) a combination thereof in an amount, sufficient, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, to pay and discharge, and which shall be applied by the Trustee (or other qualifying trustee) to pay and discharge, (i) the principal of (and premium, if any) and interest, if any, on such Outstanding Securities and any coupons appertaining thereto on the Stated Maturity of such principal or installment of principal or interest and (ii) any mandatory sinking fund payments or analogous payments applicable to such Outstanding Securities and any coupons appertaining thereto on the day on which such payments are due and payable in accordance with the terms of this Indenture and of such Securities and any coupons appertaining thereto.

(b) Such defeasance or covenant defeasance shall not result in a breach or violation of, or constitute a default under, this Indenture or any other material agreement or instrument to which the Company is a party or by which it is bound.

(c) No Default or Event of Default with respect to such Securities and any coupons appertaining thereto shall have occurred and be continuing on the date of such deposit or, insofar as Sections 5.01(5) and 5.01(6) are concerned, at any time during the period ending on the 91st day after the date of such deposit (it being understood that this condition shall not be deemed satisfied until the expiration of such period).

(d) In the case of an election under Section 14.02, the Company shall have delivered to the Trustee an Opinion of Counsel stating that (i) the Company has received from, or there has been published by, the Internal Revenue Service a ruling, or (ii) since the date of execution of this Indenture, there has been a change in the applicable Federal income tax law, in either case to the effect that, and based thereon such opinion shall confirm that, the Holders of such Outstanding Securities and any coupons appertaining thereto will not recognize income, gain or loss for Federal income tax purposes as a result of such defeasance and will be subject to Federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such defeasance had not occurred.

(e) In the case of an election under Section 14.03, the Company shall have delivered to the Trustee an Opinion of Counsel to the effect that the Holders of such Outstanding Securities and any coupons appertaining thereto 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.

(f) The Company shall have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent to either the defeasance under Section 14.02 or the covenant defeasance under Section 14.03 (as the case may be) have been complied with and an Opinion of Counsel to the effect that either (i) as a result of a deposit pursuant to subsection (a) above and the related exercise of the Company's option under Section 14.02 or Section 14.03 (as the case may be), registration is not required under the Investment Company Act of 1940, as amended, by the Company, with respect to the trust funds representing such deposit or by the trustee for such trust funds or (ii) all necessary registrations under said Act have been effected.

(g) Notwithstanding any other provisions of this Section, such defeasance or covenant defeasance shall be effected in compliance with any additional or substitute terms, conditions or limitations which may be imposed on the Company in connection therewith pursuant to Section 3.01.

Section 14.05 Deposited Money and Government Obligations to Be Held in Trust; Other Miscellaneous Provisions.

Subject to the provisions of the last paragraph of Section 10.03, all money and Government Obligations (or other property as may be provided pursuant to Section 3.01) (including the proceeds thereof) deposited with the Trustee (or other qualifying trustee, collectively for purposes of this Section 14.05, the "Trustee") pursuant to Section 14.04 in respect of any Outstanding Securities of any series and any coupons appertaining thereto shall be

held in trust and applied by the Trustee, in accordance with the provisions of such Securities and any coupons appertaining thereto and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Holders of such Securities and any coupons appertaining thereto of all sums due and to become due thereon in respect of principal (and premium, if any) and interest, if any, but such money need not be segregated from other funds except to the extent required by law.

Unless otherwise specified with respect to any Security pursuant to Section 3.01, if, after a deposit referred to in Section 14.04(a) has been made, (a) the Holder of a Security in respect of which such deposit was made is entitled to, and does, elect pursuant to Section 3.12(b) or the terms of such Security to receive payment in a Currency other than that in which the deposit pursuant to Section 14.04(a) has been made in respect of such Security, or (b) a Conversion Event occurs as contemplated in Section 3.12(d) or 3.12(e) or by the terms of any Security in respect of which the deposit pursuant to Section 14.04(a) has been made, the indebtedness represented by such Security and any coupons appertaining thereto shall be deemed to have been, and will be, fully discharged and satisfied through the payment of the principal of (and premium, if any) and interest, if any, on such Security as the same becomes due out of the proceeds yielded by converting (from time to time as specified below in the case of any such election) the amount or other property deposited in respect of such Security into the Currency in which such Security becomes payable as a result of such election or Conversion Event based on the applicable Market Exchange Rate for such Currency in effect on the second Business Day prior to each payment date, except, with respect to a Conversion Event, for such Currency in effect (as nearly as feasible) at the time of the Conversion Event.

The Company shall pay and indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the money or Government Obligations deposited pursuant to Section 14.04 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 such Outstanding Securities and any coupons appertaining thereto.

Anything in this Article to the contrary notwithstanding, the Trustee shall deliver or pay to the Company from time to time upon Company Request any money or Government Obligations (or other property and any proceeds therefrom) held by it as provided in Section 14.04 which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, are in excess of the amount thereof which would then be required to be deposited to effect a defeasance or covenant defeasance, as applicable, in accordance with this Article.

ARTICLE FIFTEEN [SUBORDINATION OF SECURITIES]

Section 15.01 Agreement to Subordinate.

The Company, for itself, its successors and assigns, covenants and agrees, and each Holder of Senior Subordinated Securities by his acceptance thereof, likewise covenants and agrees, that the payment of the principal of (and premium, if any) and interest, if any, on each and all of the Senior Subordinated Securities is hereby expressly subordinated, to the extent and in the manner hereinafter set forth, in right of payment to the prior payment in full of all Senior Indebtedness.

The Company, for itself, its successors and assigns, covenants and agrees, and each Holder of Junior Subordinated Securities by his acceptance thereof, likewise covenants and agrees, that the payment of the principal of (and premium, if any) and interest, if any, on each and all of the Junior Subordinated Securities is hereby expressly subordinated, to the extent and in the manner hereinafter set forth, in right of payment to the prior payment in full of all Senior Indebtedness and Senior Subordinated Indebtedness.

Section 15.02 Distribution on Dissolution, Liquidation and Reorganization; Subrogation of Subordinated Securities.

Upon any distribution of assets of the Company upon any dissolution, winding up, liquidation or reorganization of the Company, whether in bankruptcy, insolvency, reorganization or receivership proceedings or upon an assignment for the benefit of creditors or any other marshalling of the assets and liabilities of the Company or otherwise (subject to the power of a court of competent jurisdiction to make other equitable provision reflecting the rights conferred in this Indenture upon the Senior Indebtedness and the holders thereof with respect to the Securities and the holders thereof by a lawful plan of reorganization under applicable bankruptcy law):

(a) the holders of all Senior Indebtedness shall be entitled to receive payment in full of the principal thereof (and premium, if any) and interest due thereon before the Holders of the Subordinated Securities are entitled to receive any payment upon the principal (or premium, if any) or interest, if any, on indebtedness evidenced by the Subordinated Securities; and

(b) the holders of all Senior Subordinated Indebtedness shall be entitled to receive payment in full of the principal thereof (and premium, if any) and interest due thereon before the Holders of the Junior Subordinated Securities are entitled to receive any payment upon the principal (or premium, if any) or interest, if any, on indebtedness evidenced by the Junior Subordinated Securities; and

(c) any payment or distribution of assets of the Company of any kind or character, whether in cash, property or securities, to which the Holders of the Securities or the Trustee would be entitled except for the provisions of this Article Fifteen shall be paid by the liquidating trustee or agent or other person making such payment or distribution, whether a trustee in bankruptcy, a receiver or liquidating trustee or otherwise, directly to the holders of Senior Indebtedness or their representative or representatives or to the trustee or trustees under any indenture under which any instruments evidencing any of such Senior Indebtedness may have been issued, ratably according to the aggregate amounts remaining unpaid on account of the principal of (and premium, if any) and interest on the Senior Indebtedness held or represented by each, to the extent necessary to make payment in full of all Senior Indebtedness remaining unpaid, after giving effect to any concurrent payment or distribution to the holders of such Senior Indebtedness; and

(d) in the event that, notwithstanding the foregoing, any payment or distribution of assets of the Company of any kind or character, whether in cash, property or securities, shall be received by the Trustee or the Holders of the Subordinated Securities before all Senior Indebtedness is paid in full, such payment or distribution shall be paid over, upon written notice to the Trustee, to the holder of such Senior Indebtedness or their representative or representatives or to the trustee or trustees under any indenture under which any instrument evidencing any of such Senior Indebtedness may have been issued, ratably as aforesaid, for application to payment of all Senior Indebtedness remaining unpaid until all such Senior Indebtedness shall have been paid in full, after giving effect to any concurrent payment or distribution to the holders of such Senior Indebtedness.

Subject to the payment in full of all Senior Indebtedness, the Holders of the Subordinated Securities shall be subrogated to the rights of the holders of Senior Indebtedness to receive payments or distributions of cash, property or securities of the Company applicable to Senior Indebtedness until the principal of (and premium, if any) and interest, if any, on the Subordinated Securities shall be paid in full and no such payments or distributions to the Holders of the Subordinated Securities of cash, property or securities otherwise distributable to the holders of Senior Indebtedness shall, as between the Company, its creditors other than the holders of Senior Indebtedness, and the Holders of the Subordinated Securities be deemed to be a payment by the Company to or on account of the Subordinated Securities. It is understood that the provisions of this Article Fifteen are and are intended solely for the purpose of defining the relative rights of the Holders of the Subordinated Securities, on the one hand, and the holders of the Senior Indebtedness, on the other hand. Nothing contained in this Article Fifteen or elsewhere in this Indenture or in the Subordinated Securities is intended to or shall impair, as between the Company, its creditors other than the holders of Senior Indebtedness, and the Holders of the Subordinated Securities, the obligation of the Company, which is unconditional and absolute, to pay to the Holders of the Subordinated Securities the principal of (and premium, if any) and interest, if any, on the Subordinated Securities as and when the same shall become due and payable in accordance with their terms, or to affect the relative rights of the Holders of the Subordinated Securities and creditors of the Company other than the holders of Senior Indebtedness, nor shall anything herein or in the Subordinated Securities prevent the Trustee or the Holder of any Subordinated Security from exercising all remedies otherwise permitted by applicable law upon default under this Indenture, subject to the rights, if any, under this Article Fifteen of the holders of Senior Indebtedness in respect of cash, property or securities of the Company received upon the exercise of any such remedy. Upon any payment or distribution of assets of the Company referred to in this Article Fifteen, the Trustee, subject to the provisions of Section 6.01, shall be entitled to rely upon a

certificate of the liquidating trustee or agent or other person making any distribution to the Trustee for the purpose of ascertaining the Persons entitled to participate in such distribution, the holders of Senior Indebtedness and other indebtedness of the Company, the amount thereof or payable thereon, the amount or amounts paid or distributed thereon and all other facts pertinent thereto or to this Article Fifteen.

If the Trustee or any Holder of Subordinated Securities does not file a proper claim or proof of debt in the form required in any proceeding referred to above prior to 30 days before the expiration of the time to file such claim in such proceeding, then the holder of any Senior Indebtedness is hereby authorized, and has the right, to file an appropriate claim or claims for or on behalf of such Holder of Subordinated Securities.

With respect to the holders of Senior Indebtedness, the Trustee undertakes to perform or to observe only such of its covenants or obligations as are specifically set forth in this Article and no implied covenants or obligations with respect to holders of Senior Indebtedness shall be read into this Indenture against the Trustee. The Trustee does not owe any fiduciary duties to the holders of Securities other than Securities issued under this Indenture.

Section 15.03 No Payment on Subordinated Securities in Event of Default on Senior Indebtedness.

No payment by the Company on account of principal (or premium, if any), sinking funds or interest, if any, on the Subordinated Securities shall be made unless full payment of amounts then due for principal (premium, if any), sinking funds and interest on Senior Indebtedness has been made or duly provided for in money or money's worth.

Section 15.04 Payments on Subordinated Securities Permitted.

Nothing contained in this Indenture or in any of the Subordinated Securities shall (a) affect the obligation of the Company to make, or prevent the Company from making, at any time except as provided in Sections 15.02 and 15.03, payments of principal of (or premium, if any) or interest, if any, on the Subordinated Securities or (b) prevent the application by the Trustee of any moneys deposited with it hereunder to the payment of or on account of the principal of (or premium, if any) or interest, if any, on the Subordinated Securities, unless the Trustee shall have received at its Corporate Trust Office written notice of any event prohibiting the making of such payment more than three Business Days prior to the date fixed for such payment.

Section 15.05 Authorization of Holders to Trustee to Effect Subordination.

Each Holder of Subordinated Securities by his acceptance thereof authorizes and directs the Trustee on his behalf to take such action as may be necessary or appropriate to effectuate the subordination as provided in this Article Fifteen and appoints the Trustee his attorney-in-fact for any and all such purposes.

Section 15.06 Notices to Trustee.

Notwithstanding the provisions of this Article or any other provisions of this Indenture, neither the Trustee nor any Paying Agent (other than the Company) shall be charged with knowledge of the existence of any Senior Indebtedness or of any event which would prohibit the making of any payment of moneys to or by the Trustee or such Paying Agent, unless and until the Trustee or such Paying Agent shall have received (in the case of the Trustee, at its Corporate Trust Office) written notice thereof from the Company or from the holder of any Senior Indebtedness or from the trustee for any such holder, together with proof satisfactory to the Trustee of such holding of Senior Indebtedness or of the authority of such trustee; provided, however, that, if at least three Business Days prior to the date upon which by the terms hereof any such moneys may become payable for any purpose (including, without limitation, the payment of either the principal (or premium, if any) or interest, if any, on any Subordinated Security) the Trustee shall not have received with respect to such moneys the notice provided for in this Section 15.06, then, anything herein contained to the contrary notwithstanding, the Trustee shall have full power and authority to receive such moneys and to apply the same to the purpose for which they were received, and shall not be affected by any notice to the contrary, which may be received by it within three Business Days prior to such date. The Trustee shall be entitled to rely on the delivery to it of a written notice by a Person representing himself to be a holder of Senior Indebtedness (or a trustee on behalf of such holder) to establish that such a notice has been given by

a holder of Senior Indebtedness or a trustee on behalf of any such holder. In the event that the Trustee determines in good faith that further evidence is required with respect to the right of any Person as a holder of Senior Indebtedness to participate in any payment or distribution pursuant to this Article Fifteen, the Trustee may request such Person to furnish evidence to the reasonable satisfaction of the Trustee as to the amount of Senior Indebtedness held by such Person, the extent to which such Person is entitled to participate in such payment or distribution and any other facts pertinent to the rights of such Person under this Article Fifteen and, if such evidence is not furnished, the Trustee may defer any payment to such Person pending judicial determination as to the right of such Person to receive such payment.

Section 15.07 Trustee as Holder of Senior Indebtedness.

The Trustee in its individual capacity shall be entitled to all the rights set forth in this Article Fifteen in respect of any Senior Indebtedness at any time held by it to the same extent as any other holder of Senior Indebtedness and nothing in Section 6.13 or elsewhere in this Indenture shall be construed to deprive the Trustee of any of its rights as such holder.

Nothing in this Article Fifteen shall apply to claims of, or payments to, the Trustee under or pursuant to Section 6.06.

Section 15.08 Modifications of Terms of Senior Indebtedness.

Any renewal or extension of the time of payment of any Senior Indebtedness or the exercise by the holders of Senior Indebtedness of any of their rights under any instrument creating or evidencing Senior Indebtedness, including, without limitation, the waiver of default thereunder, may be made or done all without notice to or assent from the Holders of the Subordinated Securities or the Trustee.

No compromise, alteration, amendment, modification, extension, renewal or other change of, or waiver, consent or other action in respect of, any liability or obligation under or in respect of, or of any of the terms, covenants or conditions of any indenture or other instrument under which any Senior Indebtedness is outstanding or of such Senior Indebtedness, whether or not such release is in accordance with the provisions of any applicable document, shall in any way alter or affect any of the provisions of this Article Fifteen or of the Subordinated Securities relating to the subordination thereof.

Section 15.09 Reliance on Judicial Order or Certificate of Liquidating Agent.

Upon any payment or distribution of assets of the Company referred to in this Article Fifteen, the Trustee and the Holders of the Securities shall be entitled to rely upon any order or decree entered by any court of competent jurisdiction in which such insolvency, bankruptcy, receivership, liquidation, reorganization, dissolution, winding up or similar case or proceeding is pending, or a certificate of the trustee in bankruptcy, liquidating trustee, custodian, receiver, assignee for the benefit of creditors, agent or other person making such payment or distribution, delivered to the Trustee or to the Holders of Subordinated Securities, for the purpose of ascertaining the persons entitled to participate in such payment or distribution, the holders of Senior Indebtedness and other indebtedness of the Company, the amount thereof or payable thereon, the amount or amounts paid or distributed thereon and all other facts pertinent thereto or to this Article Fifteen.

**ARTICLE SIXTEEN
GUARANTEES**

Section 16.01 Guarantee.

Subject to the provisions of this Article Sixteen, each Guarantor in respect of the Securities hereby jointly and severally unconditionally guarantees, [on a senior unsecured basis], to each Holder of a Security authenticated and delivered by the Trustee and to the Trustee and its successors, irrespective of (i) the validity and enforceability of this Indenture, the Securities or the obligations of the Company or any other Guarantors to the Holders of the Securities or the Trustee hereunder or thereunder or (ii) the absence of any action to enforce the same or any other circumstance which might otherwise constitute a legal or equitable discharge or default of a Guarantor, that: (a) the

principal of, premium, if any, interest, if any, with respect to the Securities shall be duly and punctually paid in full when due, whether at maturity, by acceleration or otherwise, and interest on the overdue principal and (to the extent permitted by law) interest, if any, with respect to the Securities and all other obligations of the Company or any Guarantor to the Holders of the Securities or the Trustee hereunder or thereunder and all other obligations under this Indenture with respect to the Securities or the Securities shall be promptly paid in full or performed, all in accordance with the terms of this Indenture and thereof and (b) in case of any extension of time of payment or renewal of any Securities or any of such other obligations, the same shall be promptly paid in full when due or performed in accordance with the terms of the extension or renewal, whether at stated maturity, by acceleration or otherwise. Failing payment when due of any amount so Guaranteed, or failing performance of any other obligation of the Company to the Holders of the Securities, for whatever reason, each Guarantor shall be obligated to pay, or to perform or cause the performance of, the same immediately. An Event of Default under this Indenture or the Securities shall constitute an event of default under the Guarantee, and shall entitle the Holders of Securities or the Trustee to accelerate the obligations of the Guarantors of such Securities hereunder in the same manner and to the same extent as the obligations of the Company.

Each Guarantor, by execution of the Guarantee, waives the benefit of diligence, presentment, demand for payment, filing of claims with a court in the event of insolvency or bankruptcy of the Company, any right to require a proceeding first against the Company, protest, notice and all demands whatsoever and covenant that such Guarantee shall not be discharged except by complete performance of the obligations contained in the Securities, this Indenture and such Guarantee. The Guarantee is a guarantee of payment and not of collection.

If any Holder or the Trustee is required by any court or otherwise to return to the Company or to any Guarantor, or any custodian, trustee, liquidator or other similar official acting in relation to the Company or such Guarantor, any amount paid by the Company or such Guarantor to the Trustee or such Holder of the Securities, the Guarantee, to the extent theretofore discharged, shall be reinstated in full force and effect. Each Guarantor further agrees that, as between it, on the one hand, and the Holders of the Securities and the Trustee, on the other hand, (a) subject to this Article Sixteen, the maturity of the obligations guaranteed hereby may be accelerated for the purposes of the Guarantee, notwithstanding any stay, injunction or other prohibition preventing such acceleration in respect of the obligations guaranteed hereby and (b) in the event of any acceleration of such obligations, such obligations (whether or not due and payable) shall forthwith become due and payable by the Guarantors for the purpose of such Guarantee.

The Guarantee shall remain in full force and effect and continue to be effective should any petition be filed by or against the Company for liquidation or reorganization, should the Company become insolvent or make an assignment for the benefit of creditors or should a receiver or trustee be appointed for all or any significant part of the Company's assets, and shall, to the fullest extent permitted by law, continue to be effective or be reinstated, as the case may be, if at any time payment and performance of the Securities are pursuant to applicable law, rescinded or reduced in amount, or must otherwise be restored or returned by any obligee on the Securities, whether as a "voidable preference," "fraudulent transfer" or otherwise, all as though such payment or performance had not been made. In the event that any payment, or any part thereof, is rescinded, reduced, restored or returned, the Securities shall, to the fullest extent permitted by law, be reinstated and deemed reduced only by such amount paid and not so rescinded, reduced, restored or returned.

No shareholder, officer, director, employee or incorporator, past, present or future, or any Guarantor, as such, shall have any personal liability under this Guarantee by reason of his, her or its status as such shareholder, officer, director, employee or incorporator.

Section 16.02 Execution and Delivery of Guarantee.

To further evidence the Guarantee set forth in Section 16.01 of this Indenture, each Guarantor hereby agrees that a notation of such Guarantee, substantially in the form included in Exhibit B to this Indenture (the "Guarantee"), shall be endorsed on each Security authenticated and delivered by the Trustee after this Article Seventeen with respect to such Guarantor becomes effective in accordance with Section 16.01 of this Indenture and such Guarantee shall be executed by either manual or facsimile signature of an officer of each Guarantor. The validity and enforceability of any Guarantee shall not be affected by the fact that it is not affixed to any particular Security.

Each of the Guarantors hereby agrees that its Guarantee set forth in Section 16.01 of this Indenture shall remain in full force and effect notwithstanding any failure to endorse on each Security a notation of such Guarantee.

If an officer of a Guarantor whose signature is on this Indenture or a Guarantee no longer holds that office at the time the Trustee authenticates the Security on which such Guarantee is endorsed or at any time thereafter, such Guarantor's Guarantee of such Security shall be valid nevertheless.

The delivery of any Security by the Trustee, after the authentication thereof hereunder, shall constitute due delivery of any Guarantee set forth in this Indenture on behalf of the Guarantor.

Section 16.03 Limitation of Guarantee.

The obligations of each Guarantor are limited to the maximum amount as shall, after giving effect to all other contingent and fixed liabilities of such Guarantor and after giving effect to any collections from or payments made by or on behalf of any other Guarantor in respect of the obligations of such other Guarantor under its Guarantee or pursuant to its contribution obligations under this Indenture, result in the obligations of such Guarantor under the Guarantee not constituting a fraudulent conveyance or fraudulent transfer under federal or state law.

Section 16.04 Waiver of Subrogation.

Each Guarantor, by execution of its Guarantee, waives to the extent permitted by law any claim or other rights which it may now or hereafter acquire against the Company that arise from the existence, payment, performance or enforcement of such Guarantor's obligations under such Guarantee and this Indenture, including, without limitation, any right of subrogation, reimbursement, exoneration, indemnification, and any right to participate in any claim or remedy of any Holder of the Securities against the Company, whether or not such claim, remedy or right arises in equity, or under contract, statute or common law, including, without limitation, the right to take or receive from the Company, directly or indirectly, in cash or other property or by set-off or in any other manner, payment on account of such claim or other rights. If any amount shall be paid to any Guarantor in violation of the preceding sentence and the Securities shall not have been paid in full, such amount shall have been deemed to have been paid to such Guarantor for the benefit of, and held in trust for the benefit of, the Holders of the Securities, and shall forthwith be paid to the Trustee for the benefit of such Holders to be credited and applied upon the Securities, whether matured or unmatured, in accordance with the terms of this Indenture. Each Guarantor, by execution of its Guarantee, shall acknowledge that it shall receive direct and indirect benefits from the financing arrangements contemplated by this Indenture and that the waiver set forth in this Section 16.04 is knowingly made in contemplation of such benefits.

Section 16.05 Release of Guarantee.

The Guarantee of a Guarantor will be released:

(a) in connection with any sale or other disposition of all of the stock of such Guarantor to a Person other than the Company or any Subsidiary of the Company;

(b) in connection with the sale or other disposition of all or substantially all of the assets of such Guarantor, including by way of merger, consolidation or otherwise, to a Person other than the Company or any Subsidiary of the Company;

(c) upon the release or discharge of the guarantee of such Subsidiary of Indebtedness of the Company and each Guarantor which resulted in the obligation to Guarantee the Securities; or

(d) in connection with the liquidation, dissolution or winding-up of a Guarantor, if such liquidation, dissolution or winding-up complies with the provisions of this Indenture.

Section 16.06 Contribution from Other Guarantors.

Each Guarantor that makes a payment or distribution under its Guarantee shall be entitled to a contribution from each other Guarantor in a pro rata amount based on the net assets of each Guarantor, determined in accordance with GAAP, so long as the exercise of such right does not impair the rights of Holders of Securities under any Guarantee.

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

NINE ENERGY SERVICE, INC.

By: _____

Name:

Title:

[] , as Trustee

By: _____

Name:

Title:

**EXHIBIT A
FORM OF DEBT SECURITY
NINE ENERGY SERVICE, INC.**

No.

CUSIP No.

[] NOTES DUE []

Nine Energy Service, Inc., a Delaware corporation, for value received, hereby promises to pay to [], or its registered assigns, \$[], on [].

Reference is hereby made to the further provisions of this Security set forth on the reverse hereof, which further provisions shall for all purposes have the same effect as if set forth at this place.

Unless the certificate of authentication hereon has been duly executed by the Trustee referred to on the reverse hereof by manual signature, this Security shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purposes.

IN WITNESS WHEREOF, the Company has caused this Security to be fully executed.

Dated:

NINE ENERGY SERVICE, INC.

By: _____
Name:
Title:

TRUSTEE'S CERTIFICATE OF AUTHENTICATION

[], as Trustee, certifies that this is one of the Securities referred to in the Indenture.

By: _____
Authorized Signatory

REVERSE SIDE OF FORM OF DEBT SECURITY
NINE ENERGY SERVICE, INC.

1. Indenture.

This Security is one of a duly authorized issue of debt securities of the Company (as defined below) designated as its “[] Notes due []” (herein called the “Securities”), issued under an indenture dated as of [] (as amended or supplemented from time to time, the “Indenture”) between the Company, the Guarantors and [], as trustee (the “Trustee,” which term includes any successor Trustee under the Indenture), to which Indenture reference is hereby made for a statement of the respective rights, limitations of rights, duties and immunities thereunder of the Company, the Guarantors, Trustee and each Holder of Securities and of the terms upon which the Securities are, and are to be, authenticated and delivered. The summary of the terms of this Security contained herein does not purport to be complete and is qualified by reference to the Indenture. All terms used in this Security which are not defined herein shall have the same meanings assigned to them in the Indenture.

2. Principal and Interest.

Nine Energy Service, Inc., a Delaware corporation (such corporation, and its successors and assigns under the Indenture, being herein called the “Company”), promises to pay \$[] to the Holder hereof on [].

[Describe interest payment mechanisms].

3. Method of Payment.

The Company, through the Paying Agent, shall pay interest on this Security to the registered Holder of this Security, as provided above. The Holder must surrender this Security to a Paying Agent to collect principal payments. The Company will pay principal and interest in money of the United States of America that at the time of payment is legal tender for payment of all debts public and private. Principal and interest will be payable at the office of the Paying Agent but, at the option of the Company, interest may be paid by check mailed to the registered Holders at their registered addresses.

4. Transfer Agent, Paying Agent and Registrar.

Initially, [] will act as Transfer Agent, Paying Agent and Registrar under the Indenture. The Company may, upon written notice to the Paying Agent and Trustee, appoint and change any Transfer Agent, Paying Agent or Registrar. The Company or any of its subsidiaries may act as Transfer Agent, Paying Agent or Registrar.

5. Redemption.

[Describe redemption mechanics, if any.]

6. Transfer and Exchange.

A Holder may transfer a Security upon the surrender of such Security for registration of transfer. No such transfer shall be effected until, and such transferee shall succeed to the rights of a Holder only upon, final acceptance and registration of this transfer in the Security Register by the Registrar. When Securities are presented to the Registrar with a request to register the transfer of, or to exchange, such Securities, the Registrar shall register the transfer or make such exchange as requested if its requirements for such transactions and any applicable requirements hereunder are satisfied.

No service charge shall be made for any registration of transfer or exchange of Securities, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any registration of transfer of Securities.

7. Denominations.

The Securities are issuable only in registered form without coupons in denominations of \$1,000 and integral multiples thereof of principal amount.

8. Unclaimed Money.

If money for the payment of principal or interest remains unclaimed for two years, the Trustee or Paying Agent shall pay the money back to the Company at its request unless an abandoned property law designates another Person. After any such payment, Holders entitled to the money must look only to the Company and not to the Trustee for payment unless such abandoned property law designates another Person.

9. Discharge and Defeasance.

Subject to certain conditions, the Company at any time may terminate some or all of its obligations under the Securities and the Indenture if the Company irrevocably deposits with the Trustee money or U.S. Government Obligations for the payment of principal and interest on the Securities to redemption or maturity, as the case may be.

10. Amendment, Waiver.

Subject to certain exceptions set forth in the Indenture, (i) the Indenture or the Securities may be amended with the written consent of the Holders of at least a majority in aggregate principal amount of the Outstanding Securities and (ii) any past Default and its consequences may be waived with the written consent of the Holders of at least a majority in principal amount of the Outstanding Securities except a default (1) in the payment of the principal of (or premium, if any) or interest, if any, on any Security of such series or any related coupons, or (2) in respect of a covenant or provision of the Indenture which cannot be modified or amended without the consent of the Holder of each Outstanding Security of such series affected. Subject to certain exceptions set forth in the Indenture, without the consent of any Holder of Securities, the Company and the Trustee may amend the Indenture or the Securities (i) to evidence the succession of another Person to the Company and the assumption by such successor of the covenants of the company under the Indenture and contained in the Securities; (ii) to add additional covenants of the Company for the benefit of the Holders or to surrender rights and powers conferred on the Company; (iii) to add any additional Events of Default; (iv) to provide for uncertificated Securities in addition to or in place of Certificated Securities; (v) to change or eliminate any of the provisions of the Indenture; provided, that, any such change or elimination shall become effective only when there is no Security Outstanding of any series created prior to the execution of the amended indenture which is entitled to the benefit of such provision; (vi) to secure the Securities; (vii) to establish the form or terms of Securities of any series and any related coupons; (viii) to evidence and provide for the acceptance of appointment under the Indenture of a successor Trustee; (ix) to cure any ambiguity in the Indenture, to correct or supplement any provision in the Indenture which may be inconsistent with any other provision therein or to add any other provisions with respect to matters or questions arising under the Indenture; provided, that, such actions shall not adversely affect the interests of the Holders in any material respect; or (x) to supplement any of the provisions of the Indenture to such extent as shall be necessary to permit or facilitate the defeasance and discharge of any series of Securities; provided, that, such actions shall not adversely affect the interests of the Holder in any material respect.

11. Defaults and Remedies.

If an Event of Default occurs and is continuing, the Trustee or the Holders of at least 25% in principal amount of the Outstanding Securities, subject to certain limitations, may declare all the Securities to be immediately due and payable. Certain events of bankruptcy or insolvency are Events of Default and shall result in the Securities being immediately due and payable upon the occurrence of such Events of Default without any further act of the Trustee or any Holder.

Holders of Securities may not enforce the Indenture or the Securities except as provided in the Indenture. The Trustee may refuse to enforce the Indenture or the Securities unless it receives indemnity or security. Subject to certain limitations, Holders of a majority in principal amount of the Outstanding Securities may direct the Trustee in its exercise of any trust or power under the Indenture. The Holders of a majority in principal amount of the

Outstanding Securities, by written notice to the Company and the Trustee, may rescind any declaration of acceleration and its consequences if the rescission would not conflict with any judgment or decree, and if all Events of Default have been cured or waived except nonpayment of principal and interest that has become due solely because of the acceleration.

12. Individual Rights of Trustee.

Subject to certain limitations imposed by the Trust Indenture Act, the Trustee or any Paying Agent or Registrar, in its individual or any other capacity, may become the owner or pledgee of Securities and may otherwise deal with the Company or its Affiliates with the same rights it would have if it were not Trustee, Paying Agent or Registrar, as the case may be, under the Indenture.

13. No Recourse Against Certain Others.

No director, officer, employee, incorporator or stockholder of the Company, as such, shall have any liability for any obligations of the Company under the Securities or the Indenture or for any claim based on, in respect of, or by reason of, such obligations or their creation, solely by reason of its status as a director, officer, employee, incorporator or stockholder of the Company. By accepting a Security, each Holder waives and releases all such liability (but only such liability) as part of the consideration for issuance of such Security to such Holder.

14. Governing Law.

The Indenture and the Securities and coupons shall be governed by and construed in accordance with the law of the State of New York. The Indenture is subject to the provisions of the Trust Indenture Act that are required to be part of the Indenture and shall, to the extent applicable, be governed by such provisions.

The Company will furnish to any Holder of Securities upon written request and without charge to the Holder a copy of the Indenture which has in it the text of this Security. Requests may be made to:

Nine Energy Service, Inc.
2001 Kirby Drive, Suite 200
Houston, Texas 77019
Attention: Chief Financial Officer

ASSIGNMENT

(To be executed by the registered Holder
if such Holder desires to transfer this Security)

FOR VALUE RECEIVED hereby sells, assigns and transfers unto

PLEASE INSERT SOCIAL SECURITY OR OTHER TAX IDENTIFYING NUMBER OF TRANSFEREE

(Please print name and address of transferee)

this Security, together with all right, title and interest herein, and does hereby irrevocably constitute and appoint Attorney to transfer this Security on the Security Register, with full power of substitution.

Dated:

Signature of Holder

Signature Guaranteed:
Commercial Bank or Trust Company
Or Member Firm of the New York
Stock Exchange, Inc.

NOTICE: The signature to the foregoing Assignment must correspond to the Name as written upon the face of this Security in every particular, without alteration or any change whatsoever.

SIGNATURE GUARANTEE

Signatures must be guaranteed by an “eligible guarantor institution” meeting the requirements of the Registrar, which requirements include membership or participation in the Security Transfer Agent Medallion Program (“STAMP”) or such other “signature guarantee program” as may be determined by the Registrar in addition to, or in substitution for, STAMP, all in accordance with the Securities Exchange Act of 1934, as amended.

EXHIBIT B
FORM OF GUARANTEE

Each of the undersigned (the “Guarantors”) hereby jointly and severally unconditionally guarantees, to the extent set forth in the Indenture dated as of [], 20[], by and between Nine Energy Service, Inc., as issuer, the Guarantors and [], as Trustee, (the “Indenture”), and subject to the provisions of the Indenture, (a) the due and punctual payment of the principal of, and premium, if any, and interest on the of Securities, when and as the same shall become due and payable, whether at maturity, by acceleration or otherwise, the due and punctual payment of interest on overdue principal of, and premium and, to the extent permitted by law, interest, and the due and punctual performance of all other obligations of the Company to the Holders of the of Securities or the Trustee, all in accordance with the terms set forth in Article Seventeen of the Indenture and (b) in case of any extension of time of payment or renewal of any Securities or any of such other obligations, that the same shall be promptly paid in full when due or performed in accordance with the terms of the extension or renewal, whether at stated maturity, by acceleration or otherwise.

The obligations of the Guarantors to the Holders of the Securities of and to the Trustee pursuant to this Guarantee and the Indenture are expressly set forth in Article Sixteen of the Indenture and reference is hereby made to the Indenture for the precise terms and limitations of this Guarantee. The validity and enforceability of any Guarantee shall not be affected by the fact that it is not affixed to any particular Security.

This Guarantee has been executed and issued pursuant to the requirements of the Indenture.

[Signatures on Following Pages]

IN WITNESS WHEREOF, each of the Guarantors has caused this Guarantee to be signed by a duly authorized officer.

The Guarantors:

[]

By: _____

Name:

Title:

KIRKLAND & ELLIS LLP
AND AFFILIATED PARTNERSHIPS609 Main Street
Houston, TX 77002
United States

+1 713 836 3600

www.kirkland.com

December 23, 2022

Facsimile:
+1 713 836 3601Nine Energy Service, Inc.
2001 Kirby Drive, Suite 200
Houston, Texas 77019

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

We are issuing this opinion letter in our capacity as special counsel to Nine Energy Service, Inc. (the "Company"), in connection with the registration under the Securities Act of 1933, as amended (the "Securities Act"), on a Registration Statement on Form S-3 to be initially filed with the Securities and Exchange Commission (the "Commission") on or about December 23, 2022 (the "Registration Statement") of the proposed issuance and sale, from time to time, by (a) the Company, together or separately, of up to \$350.0 million in the aggregate of (i) shares (the "Common Shares") of the Company's common stock, par value \$0.01 per share ("Common Stock"), (ii) shares of the Company's preferred stock, par value \$0.01 per share ("Preferred Stock"), (iii) debt securities, which may be either senior or subordinated and may be issued in one or more series (the "Debt Securities"), (iv) warrants for the purchase Common Stock, Preferred Stock or Debt Securities (the "Warrants"), (v) rights to purchase Common Stock, Preferred Stock, Debt Securities, Warrants or Units (as defined below) (the "Rights") and (vi) units consisting of one or more of the foregoing securities listed in this clause (a) or any combination thereof (the "Units") and (b) the subsidiary guarantors named in Schedule I hereto (collectively, the "Subsidiary Guarantors"; and the Subsidiary Guarantors formed under the laws of the State of Delaware or the State of Texas are referred to collectively as the "Covered Guarantors") of guarantees of the Debt Securities. The guarantees of the Debt Securities by the Covered Guarantors are referred to herein collectively as the "Guarantees" and, together with the Common Stock, Preferred Stock, Debt Securities, Warrants, Rights and Units, the "Securities."

For purposes of this letter, we have examined originals, or copies certified or otherwise identified to our satisfaction, of such documents, corporate records and other instruments as we have deemed necessary for the purposes of this opinion, including: (i) the corporate and organizational documents of the Company, (ii) the corporate, limited liability company, limited partnership or operating agreements or organizational documents, as the case may be, of each Covered Guarantor, (iii) minutes and records of the corporate or similar proceedings of the Company and the Covered Guarantors with respect to the Registration Statement and issuance of the Securities and (iv) the Registration Statement and the exhibits thereto.

For purposes of this letter, we have assumed the authenticity of all documents submitted to us as originals, the conformity to the originals of all documents submitted to us as copies and the authenticity of the originals submitted to us as copies. We have also assumed the legal capacity of all natural persons, the genuineness of the signatures of persons signing all documents in connection with which this opinion is rendered, the authority of such persons signing on behalf of the parties thereto other than the Company and Covered Guarantors and the due authorization, execution and delivery of all documents by the parties thereto other than the Company and Covered Guarantors. As to any facts material to the opinions expressed herein which we have not independently established or verified, we have relied upon statements and representations of officers and other representatives of the Company, the Covered Guarantors and others.

Austin Bay Area Beijing Boston Brussels Chicago Dallas Hong Kong London Los Angeles Munich New York Paris Salt Lake City Shanghai Washington, D.C.

We have also assumed that:

- (i) the Registration Statement and any amendment thereto (including post-effective amendments) will have become effective under the Securities Act and will comply with all applicable laws at the time the Securities are offered or issued as contemplated by the Registration Statement;
- (ii) if applicable, a prospectus supplement or term sheet (“Prospectus Supplement”) will have been prepared and filed with the Commission describing the Securities offered thereby and will comply with all applicable laws;
- (iii) all Securities will be offered, issued and sold in compliance with applicable federal and state securities laws and in the manner stated in the Registration Statement and, if applicable, the appropriate Prospectus Supplement;
- (iv) the Board of Directors of the Company (or, to the extent permitted by applicable law and the governing documents of the Company, a duly constituted and acting committee thereof) (the “Board”) and the board of directors (or equivalent thereof) of each Covered Guarantor (the “Covered Guarantor Boards”) and the stockholders of the Company will have taken all necessary corporate, limited partnership or limited liability company action to authorize the issuance of the Securities and any other Securities issuable on the conversion, exchange, redemption or exercise thereof, and to authorize the terms of the offering and the issuance and sale of such Securities and related matters;
- (v) at the time of issuance of the Securities or Securities issuable upon conversion, exchange, redemption or exercise of any Securities being offered, the Company and the Covered Guarantors will validly exist and be duly qualified and in good standing under the laws of its jurisdiction of formation and the Company and the Covered Guarantors will have the necessary organizational power and authority to issue such Securities, or Securities issuable upon conversion, exchange, redemption or exercise of any Securities, as applicable;
- (vi) any securities issuable upon conversion, exchange, redemption or exercise of any Securities being offered will be duly authorized, created and, if appropriate, reserved for issuance upon such conversion, exchange, redemption or exercise;
- (vii) a definitive purchase agreement, underwriting agreement, warrant agreement, rights agreement, unit agreement or similar agreement with respect to any Securities offered will have been duly authorized and validly executed and delivered by the Company, the Covered Guarantors, if applicable, and the other parties thereto (each, a “Purchase Agreement”);
- (viii) all Securities, and any certificates in respect thereof, will be delivered either (a) in accordance with the provisions of the applicable Purchase Agreement approved by the Board and, if applicable, the Covered Guarantor Boards upon payment of consideration therefor provided for therein or (b) upon conversion, exchange, redemption or exercise of any other Security, in accordance with the terms of such Security or the instrument governing such Security providing for such conversion, exchange, redemption or exercise as approved by the Board, for the consideration approved by the Board;
- (ix) in the case of Preferred Stock, the Board will have taken all necessary corporate action to approve the issuance and terms of the shares of the series of Preferred Stock, the terms of the offering thereof and related matters, including the adoption of a resolution establishing and designating the series of Preferred Stock and fixing and determining the preferences, limitations and relative rights thereof and the filing of a statement with respect to the series of Preferred Stock with the Secretary of State of Delaware;

Nine Energy Service, Inc.

December 23, 2022

Page 3

(x) in the case of Debt Securities, (a) the Board will have taken all necessary corporate action to designate and establish the terms of such series of Debt Securities in accordance with the terms of the indenture under which such Debt Securities will be issued, and such Debt Securities will be governed by New York law and will not include any provision that is unenforceable; (b) the Covered Guarantor Boards, if applicable, will have taken all necessary action (corporate or other organizational) to authorize and establish the terms of the Guarantee included in such Debt Securities, and to authorize the terms of the offering and sale of such Guarantee and related matters; (c) the indenture under which such Debt Securities will be issued will have become qualified under the Trust Indenture Act of 1939, as amended; and (d) forms of Debt Securities complying with the terms of the indenture under which such Debt Securities will be issued and evidencing such Debt Securities will have been duly executed, authenticated, issued and delivered in accordance with the provisions of such indenture;

(xi) in the case of Warrants, (a) the Board will have taken all necessary corporate action to authorize the creation of and the terms of such Warrants and the issuance of the Securities to be issued pursuant thereto and to approve the warrant agreement relating thereto, (b) such warrant agreement will have been duly executed and delivered by the Company and the warrant agent thereunder appointed by the Company, (c) such Warrants and such warrant agreement will be governed by New York law, (d) neither such Warrants nor such warrant agreement will include any provision that is unenforceable and (e) such Warrants or certificates representing such Warrants will have been duly executed, countersigned, registered and delivered in accordance with the provisions of such warrant agreement and the applicable Purchase Agreement to the purchasers thereof upon payment of the agreed-upon consideration therefor;

(xii) in the case of Rights, (a) the Board will have taken all necessary corporate action to establish the creation of and the terms of such Rights and the issuance of the Securities to be issued pursuant thereto and to approve the rights agreement relating thereto, (b) such rights agreement will have been duly executed and delivered by the Company and the rights agent thereunder appointed by the Company, (c) such Rights and such rights agreement will be governed by New York law, (d) neither such Rights nor such rights agreement will include any provision that is unenforceable and (e) such Rights or certificates representing such Rights will have been duly executed, countersigned, registered and delivered in accordance with the provisions of such rights agreement and the applicable Purchase Agreement to the purchasers thereof upon payment of the agreed-upon consideration therefor;

(xiii) in the case of Units, (a) the Board will have taken all necessary corporate action to establish the terms of such Units and the terms of the Securities such Units include, (b) the terms of the Units and the related Securities and their issuance and sale will have been duly established in conformity with the applicable contracts, agreements or indentures that are a component of the offered Units (including authorization of the issuance of any Securities to be issued pursuant to such Units) and (c) any agreement or other instrument establishing such Unit or defining the rights of holders of such Unit will be governed by New York law and will not contain any provision that is unenforceable;

(xiv) all Securities and any related contracts, agreements, indentures and instruments will be duly executed and delivered in substantially the form reviewed by us prior to issuance of such Securities;

(xv) the Securities offered, as well as the terms of each of the Purchase Agreements or other similar agreements with respect to any Securities offered, as they will be executed and delivered, do not result in a default under or breach of any agreement or instrument binding upon the Company or the Covered Guarantors;

Nine Energy Service, Inc.
December 23, 2022
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(xvi) the Company and the Covered Guarantors will have obtained any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities necessary to issue and sell the Securities being offered and to execute and deliver each of the Purchase Agreements or other similar agreements, as applicable; and

(xvii) the Securities offered, as well as the terms of each of the Purchase Agreements, or other similar agreements with respect to any Securities offered, as they will be executed and delivered, comply with all requirements and restrictions, if any, applicable to the Company and the Covered Guarantors, whether imposed by any court or governmental or regulatory body having jurisdiction over the Company.

Based upon and subject to the foregoing qualifications, assumptions and limitations and the further limitations set forth below, we are of the opinion that:

- (1) The Common Shares will, when issued, be validly issued, fully paid and non-assessable.
- (2) The shares of any series of Preferred Stock, will, when issued, be validly issued, fully paid and non-assessable.
- (3) The Debt Securities, Warrants, Rights and Units will, when issued, be binding obligations of the Company, enforceable against the Company in accordance with their respective terms.
- (4) The Guarantees will, when issued, be binding obligations of the Covered Guarantors, enforceable against the Covered Guarantors in accordance with their respective terms and will have been duly authorized by all necessary corporate, limited liability company or limited partnership actions on the part of each of the Covered Guarantors and constitute legal, valid and binding obligations of the Covered Guarantors in accordance with their terms.

Our advice on every legal issue addressed in this letter is based exclusively on the internal law of New York, the General Corporation Law of the State of Delaware, the Delaware Limited Liability Company Act and the Texas Business Organizations Code (the “Applicable Laws”).

Our opinions expressed above are subject to the qualifications that we express no opinion as to the applicability of, compliance with, or effect of (i) any bankruptcy, insolvency, reorganization, fraudulent transfer, fraudulent conveyance, moratorium or other similar law or judicially developed doctrine in this area (such as substantive consolidation or equitable subordination) affecting the enforcement of creditors’ rights generally, (ii) general principles of equity (regardless of whether enforcement is considered in a proceeding in equity or at law), (iii) an implied covenant of good faith and fair dealing, (iv) public policy considerations which may limit the rights of parties to obtain certain remedies, (v) any requirement that a claim with respect to any security denominated in other than U.S. dollars (or a judgment denominated in other than U.S. dollars in respect of such claim) be converted into U.S. dollars at a rate of exchange prevailing on a date determined in accordance with applicable law, (vi) governmental authority to limit, delay or prohibit the making of payments outside of the United States or in a foreign currency or currency unit and (vii) any laws except the Applicable Laws. We advise you that issues addressed by this letter may be governed in whole or in part by other laws, but we express no opinion as to whether any relevant difference exists between the laws upon which our opinions are based and any other laws which may actually govern.

We do not find it necessary for the purposes of this opinion, and accordingly we do not purport to cover herein, the application of the securities or “Blue Sky” laws of the various states to the issuance or sale of the Securities.

KIRKLAND & ELLIS LLP

Nine Energy Service, Inc.
December 23, 2022
Page 5

This opinion is limited to the specific issues addressed herein, and no opinion may be inferred or implied beyond that expressly stated herein. This opinion speaks only as of the date hereof and we assume no obligation to revise or supplement this opinion should the Applicable Laws be changed by legislative action, judicial decision or otherwise after the date hereof.

This opinion is furnished to you in connection with the filing of the Registration Statement and is not to be used, circulated, quoted or otherwise relied upon for any other purpose.

We hereby consent to the filing of this opinion as Exhibit 5.1 to the Registration Statement. We also consent to the reference to our firm under the heading “Legal Matters” in the prospectus contained in the Registration Statement. In giving this consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission.

Sincerely,

/s/ Kirkland & Ellis LLP

SCHEDULE I
SUBSIDIARY GUARANTORS

<u>Exact Name of Additional Registrants</u>	<u>State or Other Jurisdiction of Incorporation or Organization</u>
CDK Perforating, LLC	Texas
Crest Pumping Technologies, LLC	Delaware
Magnum Oil Tools GP, LLC	Texas
Magnum Oil Tools International, LTD	Texas
MOTI Holdco, LLC	Delaware
Nine Downhole Technologies, LLC	Delaware
Nine Energy Canada Inc.	Alberta, Canada
Nine Energy Service, LLC	Delaware
RedZone Coil Tubing, LLC	Texas

Osler, Hoskin & Harcourt LLP
 Suite 2700, Brookfield Place
 225 – 6th Avenue S.W.
 Calgary, Alberta, Canada T2P 1N2
 403.260.7000 MAIN
 403.260.7024 FACSIMILE



Calgary December 23, 2022

Toronto

Montréal **Nine Energy Service, Inc.**
 2001 Kirby Drive, Suite 200

Ottawa Houston, Texas 77019

Vancouver Dear Sirs/Mesdames:

New York **Re: Registration Statement on Form S-3**

We are issuing this opinion letter in our capacity as Canadian special counsel to Nine Energy Canada Inc., an Alberta corporation (the “**Alberta Subsidiary Guarantor**”), in connection with the preparation of the Registration Statement on Form S-3 (as amended or supplemented, the “**Registration Statement**”) filed with the Securities and Exchange Commission on December 23, 2022 under the Securities Act of 1933, as amended (the “**Securities Act**”), relating to securities that may be issued and sold by Nine Energy Service, Inc. (the “**Company**”) and certain subsidiary guarantors thereof, including the Alberta Subsidiary Guarantor. The Registration Statement relates to the sale from time to time, pursuant to Rule 415 of the General Rules and Regulations promulgated under the Securities Act, of, among other things, guarantee(s) of the Company’s debt securities (the “**Alberta Subsidiary Guarantee(s)**”) by the Alberta Subsidiary Guarantor.

In connection with the opinions expressed in this letter, we have considered such questions of law and examined such public and corporate records, certificates and other documents and conducted such other examinations as we have considered necessary for the purposes of the opinions expressed in this letter, including: (i) the corporate and organizational documents of the Alberta Subsidiary Guarantor, (ii) resolutions of the board of directors and shareholder of the Alberta Subsidiary Guarantor, and (iii) the Registration Statement and the exhibits thereto.

We are qualified to practice law in the Province of Alberta and these opinions are rendered solely with respect to the Province of Alberta and the federal laws of Canada applicable in the Province of Alberta and, as they relate to the legally binding nature of and enforceability of the Alberta Subsidiary Guarantee(s), the laws of the Province of Alberta.

For the purposes of the opinions set forth below, we have assumed without independent investigation or verification by us that:

- (i) the Alberta Subsidiary Guarantee(s) will have the terms described in, and will otherwise be issued as described in, the Registration Statement;
- (ii) the board of directors of the Alberta Subsidiary Guarantor will have taken all necessary corporate action to authorize and establish the terms of the Alberta Subsidiary Guarantee(s), to authorize the terms of the offering and sale of such Alberta Subsidiary Guarantee(s), and to authorize the execution and delivery by the Alberta Subsidiary Guarantor of the Alberta Subsidiary Guarantee(s) and any related contracts, agreements, indentures and instruments delivered in connection therewith to which the Alberta Subsidiary Guarantor is a party and the performance of its obligations thereunder;

- (iii) each Alberta Subsidiary Guarantee and any related contracts, agreements, indentures and instruments will be duly executed and delivered in substantially the form reviewed by us prior to issuance of such Alberta Subsidiary Guarantee;
- (iv) the Alberta Subsidiary Guarantee(s) will be governed by the laws of the Province of Alberta;
- (v) at the time of the issuance of the Alberta Subsidiary Guarantee(s), the Alberta Subsidiary Guarantor will be a valid and subsisting corporation existing under the laws of the Province of Alberta and will have all necessary corporate power and capacity to issue such Alberta Subsidiary Guarantee(s) and to perform its obligations thereunder;
- (vi) there shall not have occurred any change in law affecting the validity or enforceability of such Alberta Subsidiary Guarantee(s); and
- (vii) none of the terms of the Alberta Subsidiary Guarantee(s) to be established subsequent to the date hereof, nor the issuance and delivery of such Alberta Subsidiary Guarantee(s), nor the execution, delivery and performance by the Alberta Subsidiary Guarantor of any Alberta Subsidiary Guarantee, nor the compliance by the Alberta Subsidiary Guarantor with the terms of such Alberta Subsidiary Guarantee(s), will violate any applicable law or regulation or will result in a violation of any provision of any article or by-law provision, shareholders' agreement, instrument or agreement then binding upon the Alberta Subsidiary Guarantor, or any restriction imposed by any court or governmental body having jurisdiction over the Alberta Subsidiary Guarantor.

We have also assumed (i) the legal capacity of all individuals, the genuineness of all signatures and the authenticity of all documents submitted to us as originals and the conformity to authentic original documents of all documents submitted to us as copies, (ii) the completeness, truth and accuracy of all facts set forth in certificates supplied, or otherwise conveyed to us, by public officials and (iii) that each of the parties to the Alberta Subsidiary Guarantee(s) other than the Alberta Subsidiary Guarantor will be validly existing under the laws of the jurisdiction governing its incorporation or formation, will have duly authorized, executed and delivered the Alberta Subsidiary Guarantee(s) and that such Alberta Subsidiary Guarantee(s) will be enforceable in accordance with their terms against all parties to them other than the Alberta Subsidiary Guarantor.

On the basis of the foregoing and subject to the qualifications hereinafter expressed, we are of the opinion that the Alberta Subsidiary Guarantee(s) will, when issued, constitute legal, valid and binding obligations of the Alberta Subsidiary Guarantor, enforceable against the Alberta Subsidiary Guarantor in accordance with their terms and will have been duly authorized by all necessary corporate action on the part of the Alberta Subsidiary Guarantor and constitute legal, valid and binding obligations of the Alberta Subsidiary Guarantor in accordance with their terms, except to the extent that the enforceability may be limited by: (i) applicable bankruptcy, insolvency, reorganization, fraudulent transfer and conveyance, receivership, preference, moratorium, arrangement or winding up laws or other similar laws now or hereafter in effect, and related regulations and judicial doctrines, relating to or affecting the enforcement of creditors' rights and remedies generally, (ii) equitable principles, whether such equitable principles are considered at law or in equity, including the principle that equitable remedies such as specific performance and injunction may only be granted in the discretion of a court of competent jurisdiction and (iii) any implied covenants of good faith and fair dealing.

This opinion is limited to the specific issues addressed herein, and no opinion may be inferred or implied beyond that expressly stated herein. This opinion is expressed as of the date hereof and we disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes of applicable laws.

This opinion is furnished to you in connection with the filing of the Registration Statement in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act, and is not to be used, circulated, quoted or otherwise relied upon for any other purpose.

Yours very truly,

/s/ Osler, Hoskin & Harcourt LLP

Osler, Hoskin & Harcourt LLP

LIST OF SUBSIDIARY GUARANTORS

The debt securities offered by the prospectus contained in the registration statement, of which this Exhibit 22.1 is a part, and any applicable prospectus supplement, which may be issued in one or more series by Nine Energy Service, Inc. (the "Issuer"), may be fully and unconditionally guaranteed by each of the subsidiaries of the Issuer identified in the table below.

<u>Exact Name of Additional Registrants</u>	<u>State or Other Jurisdiction of Incorporation or Organization</u>
CDK Perforating, LLC	Texas
Crest Pumping Technologies, LLC	Delaware
Magnum Oil Tools GP, LLC	Texas
Magnum Oil Tools International, LTD	Texas
MOTI Holdco, LLC	Delaware
Nine Downhole Technologies, LLC	Delaware
Nine Energy Canada Inc.	Alberta, Canada
Nine Energy Service, LLC	Delaware
RedZone Coil Tubing, LLC	Texas

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-3 of Nine Energy Service, Inc. of our report dated March 7, 2022 relating to the financial statements, which appears in Nine Energy Service, Inc.'s Annual Report on Form 10-K for the year ended December 31, 2021. We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ PricewaterhouseCoopers LLP
Houston, Texas
December 23, 2022

Calculation of Filing Fee Tables

Form S-3
(Form Type)

Nine Energy Service, Inc.
(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered (1)(2)	Proposed Maximum Offering Price Per Unit(3)	Maximum Aggregate Offering Price(4)	Fee Rate	Amount of Registration Fee	Carry Forward Form Type	Carry Forward File Number	Carry Forward Initial effective date	Filing Fee Previously Paid In Connection with Unsold Securities to be Carried Forward
Newly Registered Securities												
Fees to Be Paid	Equity	Common stock, par value \$0.01 per share	—	—	—	—	—	—				
	Equity	Preferred stock, par value \$0.01 per share	—	—	—	—	—	—				
	Debt	Debt securities	—	—	—	—	—	—				
	Other	Guarantees of debt securities	—	—	—	—	—	—				
	Other	Warrants	—	—	—	—	—	—				
	Other	Rights	—	—	—	—	—	—				
	Other	Units	—	—	—	—	—	—				
	Unallocated (Universal) Shelf	—	457(o)	—	—	\$350,000,000.00	0.00011020	\$38,570.00				
Fees Previously Paid	—	—	—	—	—	—	—	—				
Carry Forward Securities												
Carry Forward Securities	—	—	—	—	—	—	—	—	—	—	—	—
	Total Offering Amounts					\$350,000,000.00		\$38,570.00				
	Total Fees Previously Paid							\$ 0				
	Total Fee Offsets							\$ 0				
	Net Fee Due							\$38,570.00				

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- (1) There are being registered hereunder an indeterminate number or amount, as the case may be, of the securities of each identified class as may from time to time be offered and sold at indeterminate prices, which together shall have a maximum aggregate offering price not to exceed \$350,000,000.00. Any securities registered hereunder may be sold separately or in combination with the other securities registered hereunder. The securities registered also include an indeterminate number or amount, as the case may be, of securities as may be issued in exchange for, or upon conversion or exercise of, as the case may be, the securities registered hereunder or pursuant to the anti-dilution provisions of any such securities.
 - (2) Pursuant to Rule 416 under the Securities Act of 1933, as amended, the shares being registered hereunder include such indeterminate number of shares of common stock and shares of preferred stock as may be issuable with respect to the shares being registered hereunder as a result of stock splits, stock dividends or similar transactions.
 - (3) The proposed maximum aggregate offering price per class of security will be determined from time to time by the registrant in connection with the issuance by the registrant of the securities registered hereunder and is not specified as to each class of security pursuant to Instruction 2.A.iii.b of the Instructions to the Calculation of Filing Fee Tables and Related Disclosure of Form S-3.
 - (4) Estimated solely for the purpose of calculating the registration fee.