

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
Form 10-K**

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the fiscal year ended December 31, 2018

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from _____ to _____

Commission File Number 1-5620

Safeguard Scientifics, Inc.

(Exact name of registrant as specified in its charter)

Pennsylvania

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

170 North Radnor-Chester Road
Suite 200
Radnor, PA

(Address of principal executive offices)

23-1609753

(I.R.S. Employer Identification No.)

19087

(Zip Code)

(610) 293-0600

(Registrant's telephone number, including area code)

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

Title of each class
Common Stock (\$.10 par value)

Name of each exchange on which registered
New York Stock Exchange

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

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

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

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

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Smaller reporting company

Non-accelerated filer

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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

As of June 30, 2018, the aggregate market value of the registrant's common stock held by non-affiliates of the registrant was \$237,111,560 based on the closing sale price as reported on the New York Stock Exchange.

The number of shares outstanding of the registrant's common stock as of February 25, 2019 was 20,652,338.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the definitive proxy statement (the "Definitive Proxy Statement") to be filed with the Securities and Exchange Commission for the Company's 2019 Annual Meeting of Shareholders are incorporated by reference into Part III of this report.

SAFEGUARD SCIENTIFICS, INC.

FORM 10-K

December 31, 2018

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PART I

Cautionary Note Concerning Forward-Looking Statements

This Annual Report on Form 10-K contains forward-looking statements that are based on current expectations, estimates, forecasts and projections about Safeguard Scientifics, Inc. (“Safeguard” or “we”), the industries in which we operate and other matters, as well as management's beliefs and assumptions and other statements regarding matters that are not historical facts. These statements include, in particular, statements about our plans, strategies and prospects. For example, when we use words such as “projects,” “expects,” “anticipates,” “intends,” “plans,” “believes,” “seeks,” “estimates,” “should,” “would,” “could,” “will,” “opportunity,” “potential” or “may,” variations of such words or other words that convey uncertainty of future events or outcomes, we are making forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Our forward-looking statements are subject to risks and uncertainties. Factors that could cause actual results to differ materially include, among others, our ability to make good decisions about the deployment of capital, the fact that our partner companies may vary from period to period, our substantial capital requirements and absence of liquidity from our partner company holdings, our ability to service the indebtedness under and remain in compliance with the terms of our credit facility, fluctuations in the market prices of our publicly traded partner company holdings, competition, our inability to obtain maximum value for our partner company holdings, our ability to attract and retain qualified employees, our ability to execute our strategy, market valuations in sectors in which our partner companies operate, our inability to control our partner companies, our need to manage our assets to avoid registration under the Investment Company Act of 1940, and risks associated with our partner companies and their performance, including the fact that most of our partner companies have a limited history and a history of operating losses, face intense competition and may never be profitable, the effect of economic conditions in the business sectors in which our partner companies operate, compliance with government regulation and legal liabilities, all of which are discussed in Item 1A. “Risk Factors.” Many of these factors are beyond our ability to predict or control. In addition, as a result of these and other factors, our past financial performance should not be relied on as an indication of future performance. All forward-looking statements attributable to us, or to persons acting on our behalf, are expressly qualified in their entirety by this cautionary statement. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law. In light of these risks and uncertainties, the forward-looking events and circumstances discussed in this report might not occur.

Item 1. *Business*

Business Overview

Over the recent past, Safeguard has provided capital and relevant expertise to fuel the growth of technology-driven businesses in healthcare, financial services and digital media. Throughout this document, we use the term “partner company” to generally refer to those companies in which we have a significant equity interest. In many, but not all cases, we will also be actively involved, influencing development through board representation and management support, in addition to the influence we exert through our equity ownership. From time to time, in addition to these partner companies, we also hold relatively small equity interests in other enterprises where we do not exert significant influence and do not participate in management activities. In some cases, these interests relate to former partner companies.

In January 2018, Safeguard announced that we will not deploy any capital into new partner company opportunities and will focus on supporting our existing partner companies and maximizing monetization opportunities to return value to shareholders. In that context, we have, are and will consider initiatives including, among others: the sale of individual partner companies, the sale of certain or all partner company interests in secondary market transactions, or a combination thereof, as well as other opportunities to maximize shareholder value. We anticipate returning value to shareholders after satisfying our debt obligations and working capital needs.

Safeguard's existing group of partner companies consist principally of technology-driven businesses in healthcare, financial services and digital media that are capitalizing on the next wave of enabling technologies, including enhanced security and predictive analytics. We strive to create long-term value for our shareholders by helping our partner companies to increase their market penetration, grow revenue and improve cash flow. Safeguard typically deploys up to \$25 million in a company.

In 2018, our management team focused on the following objectives:

- Supporting our existing partner companies;
- Building value in partner companies by developing strong management teams, growing the companies organically and through acquisitions, and positioning the companies for liquidity at premium valuations;
- Realizing the value of partner companies through selective, well-timed exits to maximize risk-adjusted value;
- Right-sizing our operating structure in light of our new structure; and
- Addressing the liquidity needs of the Company.

To meet our strategic objectives during 2019, Safeguard will focus on:

- Supporting our existing partner companies;
- Helping our partner companies achieve additional market penetration, revenue growth, cash flow improvement and growth in long-term value; and
- Pursuing monetization opportunities for our partner company interests.

We incorporated in the Commonwealth of Pennsylvania in 1953. Our corporate headquarters are located at 170 North Radnor-Chester Road, Suite 200, Radnor, Pennsylvania 19087.

Our Strategy

Founded in 1953, Safeguard has a distinguished track record of building market leaders by providing capital and operational support to entrepreneurs across an evolving and innovative spectrum of industries. Over the recent past, Safeguard has provided capital and relevant expertise to fuel the growth of technology-driven businesses in healthcare, financial services and digital media. Safeguard's existing group of partner companies consist of companies that are capitalizing on the next wave of enabling technologies with a particular focus enhanced security and predictive analytics. Since January 2018, Safeguard began to implement a new business strategy designed to increase shareholder value. Under the new strategy, Safeguard ceased deploying capital into new partner companies. Safeguard remains focused on managing and financially supporting its existing partner companies, with the goal of pursuing monetization opportunities and maximizing the value returned to shareholders.

Helping Our Partner Companies Build Value

We offer operational and management support to each of our partner companies through our domain expertise from our management team's careers as entrepreneurs, board members, financiers and operators. We provide hands-on assistance to the management teams of our partner companies to support their growth.

Strategic Support. By helping our partner companies' management teams remain focused on critical objectives through the provision of human, financial and strategic resources, we believe we are able to foster their development and success. We play an active role in developing the strategic direction of our partner companies, which include:

- defining short and long-term strategic goals;
- identifying and planning for the critical success factors to reach these goals;
- identifying and addressing the challenges and operational improvements required to achieve the critical success factors and, ultimately, the strategic goals;
- identifying and implementing the business measurements that we and others will apply to measure a company's success; and
- identifying sources of and providing capital to drive growth.

Management and Operational Support. We provide management and operational support, as well as ongoing planning and development assessment. Our executives serve on the boards of directors of our partner companies, working with them to develop and implement strategic and operating plans. We measure and monitor achievement of these plans through regular review of operational and financial performance measurements. We believe these services provide our partner companies with significant competitive advantages within their respective markets.

Realizing Value

In January 2018, Safeguard began to implement a new business strategy designed to increase shareholder value. Under the new strategy, Safeguard ceased deploying capital into new partner companies. Safeguard remains focused on managing and financially supporting its existing partner companies, with the goal of pursuing monetization opportunities and maximizing the value returned to shareholders. We have, are and will consider initiatives including, among others: the sale of individual partner companies, the sale of certain or all partner company interests in secondary market transactions, or a combination thereof, as well as other opportunities to maximize shareholder value. We anticipate returning value to shareholders after satisfying our debt obligations and working capital needs.

From time to time, we engage in discussions with other companies interested in our partner companies, either in response to inquiries or as part of a process we initiate. To the extent we believe that a partner company's further growth and development can best be supported by a different ownership structure or if we otherwise believe it is in our shareholders' best interests, we will seek to sell some or all of our position in the partner company. These sales may take the form of privately negotiated sales of stock or assets, mergers and acquisitions, public offerings of the partner company's securities and, in the case of publicly traded partner companies, sales of their securities in the open market. In the past, we have taken partner companies public through rights offerings and directed share subscription programs. We will continue to consider these (or

similar) programs and the sale of certain partner company interests in secondary market transactions to maximize value for our shareholders.

Given our recent change in strategy, the value of Safeguard is now virtually wholly dependent upon the value of our existing partner companies and our ability to translate that value into cash as efficiently as possible and to return that capital, net of our debt obligations and operating cash needs, to our shareholders in the form of stock repurchases and/or distributions to shareholders. As we have in the past, we will utilize the service of professional advisers from time to time to explore the various alternatives for returning capital to our balance sheet and ultimately to our shareholders.

Our Partner Companies

An understanding of our partner companies is important to understanding Safeguard and its value-building strategy. Following are descriptions of our partner companies in which we own interests at February 25, 2019.

We categorize our partner companies into four stages based upon revenue generation—Initial Revenue Stage, Expansion Stage, Traction Stage and High Traction Stage. The Initial Revenue Stage is made up of businesses that have revenues of \$1 million or less. The Expansion Stage is made up of companies that have revenue in the range of \$1 million to \$5 million. The Traction Stage is made up of companies that have revenue in the range of \$5 million to \$10 million. The High Traction Stage is made up of companies that have revenue in excess of \$10 million per year.

The ownership percentages indicated below are presented as of December 31, 2018 for partner companies in which we owned interests at February 25, 2019 and reflect the percentage of the vote we were entitled to cast at that date based on issued and outstanding voting securities (on a common stock equivalent basis), excluding the effect of options, warrants and convertible debt (primary ownership).

Aktana, Inc. ***Traction*** ***(Safeguard Ownership: 18.9%)***

Headquartered in San Francisco, California, Aktana is a pioneer in decision support for global life science sales teams. Aktana helps its customers improve their commercial effectiveness by delivering data-driven insights and suggestions directly to sales reps, coordinating multi-channel actions and providing insight regarding which strategies work best for which customers under which conditions. www.aktana.com

Clutch Holdings, Inc. ***High Traction*** ***(Safeguard Ownership: 41.2%)***

Headquartered in Ambler, Pennsylvania, Clutch has revolutionized how marketing teams for premier brands develop and foster relationships with their customers. Clutch's advanced marketing platform serves as a customer hub, delivering deep intelligence derived from real-time behaviors and transactions across in-store, online, mobile and social channels. www.clutch.com

Flashtalking, Inc. ***High Traction*** ***(Safeguard Ownership: 10.1%)***

Headquartered in New York, New York, Flashtalking is a data-driven ad management and analytics technology company that uses data to personalize advertising in real-time, analyze its effectiveness and enable optimization that drives better engagement and ROI for sophisticated global brands. Our former partner company, Spongecell, Inc. merged into Flashtalking in January 2018. www.flashtalking.com

Hoopla Software, Inc. ***Expansion*** ***(Safeguard Ownership: 25.5%)***

Headquartered in San Jose, California, Hoopla provides cloud-based software that helps sales organizations inspire and motivate sales team performance. Hoopla's Sales Motivation Platform combines modern game mechanics, data analytics and broadcast-quality video in a cloud application that makes it easy for managers to motivate team performance and score more wins. www.hoopla.net

InfoBionic, Inc. ***Expansion*** ***(Safeguard Ownership: 25.4%)***

Headquartered in Massachusetts, InfoBionic is an emerging digital health company focused on creating patient monitoring solutions for chronic disease management with an initial market focus on cardiac arrhythmias. InfoBionic's MoMe[®] Kardia cloud-based, remote patient monitoring platform delivers on-demand, actionable monitoring data and analytics directly to the physicians themselves. www.infobionic.com

<i>Lumesis, Inc.</i>	<i>Traction</i>	<i>(Safeguard Ownership: 43.7%)</i>
<p>Headquartered in Stamford, Connecticut, Lumesis is a financial technology company focused on providing business efficiency, data and regulatory solutions to the municipal bond marketplace. Lumesis' DIVER platform helps more than 500 firms with more than 43,000 users efficiently meet credit, regulatory and risk needs. www.lumesis.com</p>		
<i>MediaMath, Inc.</i>	<i>High Traction</i>	<i>(Safeguard Ownership: 13.4%)</i>
<p>Headquartered in New York, New York, MediaMath is a global technology company that is leading the movement to revolutionize traditional marketing and drive transformative results for marketers through its TerminalOne Marketing Operating System[®]. MediaMath empowers marketers with an extensible, open platform that activates data, automates execution and optimizes interactions across all addressable media, delivering superior performance, transparency and control to all marketers and better, more individualized experiences for consumers. www.mediamath.com</p>		
<i>meQuilibrium</i>	<i>Expansion</i>	<i>(Safeguard Ownership: 33.1%)</i>
<p>Headquartered in Boston, Massachusetts, meQuilibrium is a digital coaching platform that delivers clinically validated and highly personalized resilience solutions to employers, health plans, wellness providers and consumers increasing engagement, productivity and performance. www.mequilibrium.com</p>		
<i>Moxe Health Corporation</i>	<i>Initial Revenue</i>	<i>(Safeguard Ownership: 32.4%)</i>
<p>Headquartered in Madison, Wisconsin, Moxe Health was founded with a vision to enable bi-directional data exchange through its key products, Substrate and Convergence, directly linking payers and their provider networks. By integrating insurer data using industry standard processes, Moxe Health allows providers to incorporate claims, risk and other payer data into their own analytic efforts, allowing clinicians to better understand patient risks and deliver value-based care. www.moxehealth.com</p>		
<i>NovaSom, Inc.</i>	<i>High Traction</i>	<i>(Safeguard Ownership: 31.7%)</i>
<p>Headquartered in Glen Burnie, Maryland, NovaSom is a medical device company that markets an FDA-cleared wireless home sleep test for Obstructive Sleep Apnea ("OSA") called AccuSom[®] Home Sleep Test. The NovaSom home sleep test provides an in-home, clinically equivalent diagnosis of OSA at a significantly reduced cost compared to in-facility testing for uncomplicated adult OSA. www.novasom.com</p>		
<i>Prognos Health Inc.</i>	<i>High Traction</i>	<i>(Safeguard Ownership: 28.7%)</i>
<p>Headquartered in New York, New York, Prognos is a healthcare AI company that's striving to improve health by tracking and predicting disease earlier in partnership with Life Sciences brands, payers, and clinical diagnostics organizations. Prognos' innovations enhance the value of laboratory results and clinical diagnostic data through advanced analytics and artificial intelligence techniques. www.prognos.ai</p>		
<i>QuanticMind, Inc.</i>	<i>Traction</i>	<i>(Safeguard Ownership: 24.2%)</i>
<p>Headquartered in Redwood City, California, QuanticMind provides enterprise-level, predictive advertising management software for paid search, social and mobile. QuanticMind brings together machine learning, distributed cloud and in-memory processing technologies to provide the most intelligent, most scalable and fastest platform available. www.quanticismind.com</p>		
<i>Sonobi, Inc.</i>	<i>Traction</i>	<i>(Safeguard Ownership: 21.6%)</i>
<p>Headquartered in New York, New York, Sonobi is an advertising technology developer that creates data-driven tools and solutions to meet the evolving needs of demand- and sell-side organizations within the digital media marketplace. Sonobi helps its clients and strategic partners to forecast new market opportunities, enhance value delivery to clients, and create more profitable businesses through integration of progressive data procurement and user-centric sales management technologies. www.sonobi.com</p>		

Syapse, Inc. *High Traction* *(Safeguard Ownership: 20.0%)*

Headquartered in Palo Alto, California, Syapse is on a mission to deliver the best care for every cancer patient through precision medicine. Syapse’s platform, data sharing network, and industry partnerships enable healthcare providers to bring precision cancer care to every patient who needs it. www.syapse.com

T-REX Group, Inc. *Initial Revenue* *(Safeguard Ownership: 21.1%)*

Headquartered in New York, New York, T-REX is an enterprise solutions provider for the complex financing of esoteric asset backed securities (“ABS”) and energy project finance. T-REX’s SaaS platform supplants manually-generated financial models, driving transparency, standardization, collaboration, efficiency and access in energy project finance and asset backed securitization. www.trexgroup.com

Transactis, Inc. *High Traction* *(Safeguard Ownership: 23.7%)*

Headquartered in New York, New York, Transactis transforms traditional paper billing and payment processing by enabling businesses of all sizes to replace paper bills, statements, invoices, payments and documents with efficient and cost effective digital alternatives. Transactis goes to market exclusively with resellers - financial institutions, technology companies, printers and business process outsourcers - to provide their customers with secure, configurable, white-label, industry-leading SaaS solutions. www.transactis.com

Trice Medical, Inc. *Expansion* *(Safeguard Ownership: 17.4%)*

Headquartered in Malvern, Pennsylvania, Trice Medical was founded to fundamentally improve orthopedic diagnostics for the patient, physician and payor by providing instant, eyes-on, answers. Trice has pioneered fully integrated camera-enabled technologies that provide a clinical solution that is optimized for the physician's office. Trice's mission is to provide more immediate and definitive patient care, eliminating the false reads associated with current indirect modalities and significantly reduce the overall cost to the healthcare system. www.tricemedical.com

WebLinc, Inc. *High Traction* *(Safeguard Ownership: 38.5%)*

Headquartered in Philadelphia, Pennsylvania, WebLinc is a commerce platform and services provider for fast growing online retailers. WebLinc's modern, agile technologies and strategic expertise empower companies running global, omnichannel commerce operations, and enable retailers to consistently outpace the competition. www.weblinc.com

Zipnosis, Inc. *Expansion* *(Safeguard Ownership: 34.7%)*

Headquartered in Minneapolis, Minnesota, Zipnosis provides health systems with a white-labeled, fully integrated virtual care platform. Through Zipnosis’ tech-enabled treatment and triage tools, clients can offer convenient access to care while improving clinician efficiency. Currently, patients may be treated for more than 90 conditions via such treatment and triage tools. www.zipnosis.com

FINANCIAL INFORMATION ABOUT OPERATING SEGMENTS

We operate as one operating segment based upon the similar nature of our technology-driven partner companies, the functional alignment of the organizational structure and the reports that are regularly reviewed by the chief operating decision maker for the purpose of assessing performance and allocating resources.

OTHER INFORMATION

The operations of Safeguard and its partner companies are subject to environmental laws and regulations. Safeguard does not believe that expenditures relating to those laws and regulations will have a material adverse effect on the business, financial condition or results of operations of Safeguard.

AVAILABLE INFORMATION

Safeguard is subject to the informational requirements of the Securities Exchange Act of 1934, as amended. Therefore, we file our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and proxy statements

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and other information with, and furnish other reports to, the Securities and Exchange Commission (“SEC”). You can read and copy such documents at the SEC’s public reference facilities in Washington, D.C., New York, New York and Chicago, Illinois. You may obtain information on the operation of the SEC’s public reference facilities by calling the SEC at 1-800-SEC-0330. Such material may also be accessed electronically by means of the SEC’s home page on the Internet at www.sec.gov or through Safeguard’s website at www.safeguard.com. Such documents are available as soon as reasonably practicable after electronic filing of the material with the SEC. Copies of these reports (excluding exhibits) also may be obtained free of charge, upon written request to: Investor Relations, Safeguard Scientifics, Inc., 170 North Radnor-Chester Road, Suite 200, Radnor, Pennsylvania 19087.

The Internet website addresses for Safeguard and its partner companies are included in this report for identification purposes. The information contained therein or connected thereto is not intended to be incorporated into this Annual Report on Form 10-K.

The following corporate governance documents are available free of charge on Safeguard’s website: the charters of our Audit, Compensation and Nominating & Corporate Governance Committees, our Corporate Governance Guidelines and our Code of Business Conduct and Ethics. We also will post on our website any amendments to or waivers of our Code of Business Conduct and Ethics that relate to our directors and executive officers.

Item 1A. Risk Factors

You should carefully consider the information set forth below. The following risk factors describe situations in which our business, financial condition and/or results of operations could be materially harmed, and the value of our securities may be adversely affected. You should also refer to other information included or incorporated by reference in this report.

The intended monetization of our partner company interests and return of capital to shareholders are subject to factors beyond our control.

In January 2018, we announced that we will not deploy any capital into new partner companies. We will instead focus on supporting, and maximizing monetization opportunities for our existing partner company interests to return value to shareholders. However, this strategic plan may require providing additional capital and operational support to such existing partner companies and we may not be able to sell our partner company interests during any specific time frame or otherwise on desirable terms, if at all, and there can be no assurance as to how long this process will take or the results that this process will yield. There can be no assurance as to whether we will realize the value of escrowed proceeds, holdbacks or other contingent consideration, if any, associated with the sale of partner company interests. Additionally, there can be no assurance that we will be able to satisfy our liabilities during this process. Further, the method, timing and amount of any return of capital resulting from the monetization of existing partner companies will be at the discretion of our Board of Directors and will depend on market and business conditions and our overall liabilities, capital structure and liquidity position.

The continuing costs and burdens associated with being a public company will constitute a much larger percentage of our expenses and we may in the future delist our Common Stock with the New York Stock Exchange and seek to deregister our Common Stock with the SEC.

We will remain a public company and will continue to be subject to the listing standards of the New York Stock Exchange and SEC rules and regulations, including the Dodd-Frank Wall Street Reform and Consumer Protection Act and the Sarbanes-Oxley Act of 2002. The costs and burdens of being a public company will be a significant and continually increasing portion of our expenses if we are able to monetize partner company interests. As part of such monetization efforts, we will likely in the future, once the majority of our partner company interests have been monetized and proceeds therefrom returned to shareholders, delist our Common Stock from the New York Stock Exchange and seek to deregister our Common Stock with the SEC. However, there can be no assurance as to the timing of such transactions, or whether such transactions will be completed at all, and we will continue to face the costs and burdens of being a public company until such time as our Common Stock is delisted with the New York Stock Exchange and deregistered with the SEC.

Our principal business strategy depends upon our ability to make good decisions regarding the deployment of capital into, and subsequent disposition of, existing partner company interests and, ultimately, the performance of our partner companies, which is uncertain.

If we make poor decisions regarding the deployment of capital into, and subsequent disposition of, existing partner companies, our business strategy will not succeed. If our partner companies do not succeed, the value of our assets could be significantly reduced and require substantial impairments or write-offs and our results of operations and the price of our common stock would be adversely affected. The risks relating to our partner companies include:

- most of our partner companies have a history of operating losses and/or limited operating history;
- the intense competition affecting the products and services our partner companies offer could adversely affect their businesses, financial condition, results of operations and prospects for growth;
- the inability to adapt to changing marketplaces;
- the inability to manage growth;
- the need for additional capital to fund their operations, which we may not be able to fund or which may not be available from third parties on acceptable terms, if at all;
- the inability to protect their proprietary rights and/or infringing on the proprietary rights of others;
- that our partner companies could face legal liabilities from claims made against them based upon their operations, products or work;
- the impact of economic downturns on their operations, results and growth prospects;
- the inability to attract and retain qualified personnel;
- the existence of government regulations and legal uncertainties may place financial burdens on the businesses of our partner companies; and
- the inability to plan for and manage catastrophic events.

These and other risks are discussed in detail under the caption “Risks Related to Our Partner Companies” below.

Our Credit Facility subjects us to interest rate risk.

In May 2017, we entered into a secured credit facility with HPS Investment Partners, LLC (“Lender”), the “Credit Facility”). Debt service costs under the Credit Facility are subject to interest rate changes. Interest rates could rise from time to time and significantly increase our cost of borrowing. If that were to occur, replacing the Credit Facility with alternative credit arrangements having a lower cost of borrowing would likely not be possible and no assurance can be given that we would be able to refinance the Credit Facility on attractive terms or at all.

Servicing the indebtedness under the Credit Facility will require a significant amount of cash and our ability to generate cash depends on many factors beyond our control.

Our ability to service and pay the indebtedness under the Credit Facility will depend on our ability to generate cash in the future. We generate cash from proceeds we receive in connection with the sales of our interests in our partner companies. Due to the nature of the mergers and acquisitions market, and the developmental cycle of companies like our partner companies, our ability to generate specific amounts of liquidity from sales of our partner company interests in any given period of time cannot be assured. Our ability to generate cash is also, to a certain extent, subject to general economic, financial, competitive, legislative, regulatory and other factors that are beyond our control. The risk exists that our business will be unable to generate sufficient cash flow to service and pay our indebtedness under the Credit Facility.

Covenants in the agreements governing the Credit Facility could adversely affect our business and/or result in the operation of our business in a way other than as desired by management; our ability to comply with such covenants may be affected by events beyond our control; and a breach of any of these covenants could result in a default under the agreements governing the Credit Facility, which, if not cured or waived, could result in the acceleration of the indebtedness under the Credit Facility.

The Credit Facility contains various covenants that prohibit or limit, subject to certain exceptions, our ability to, among other things:

- Sell, transfer, lease, convey or otherwise dispose of all or any part of our business or property;
- Make deployments to companies other than our existing partner companies;
- Make deployments that, when combined with deployments after January 1, 2018, exceed \$40.0 million in the aggregate;
- Following May, 2018, incur or pay for any expenses in any twelve-month period in excess of \$11.5 million;
- Incur or assume liens or additional debt or provide guarantees in respect of obligations of other persons;
- Pay any dividends or make any distribution (in cash or in kind) or payment in respect of, or redeem, retire or purchase any capital stock;
- Enter into, or permit any of our subsidiaries to enter into, any sale and leaseback transaction;
- Wind-up, liquidate or dissolve, or merge, consolidate or amalgamate with any person, or permit any of our subsidiaries to do (or agree to do) so;
- Enter into certain transactions with affiliates; and
- Amend, modify or otherwise change any of our governing documents.

In addition, the Credit Facility requires us to among other things, maintain (i) a liquidity threshold of at least \$20 million of unrestricted cash; and (ii) a minimum aggregate appraised value of the Company’s ownership interests in its partner companies, plus unrestricted cash in excess of the liquidity threshold, of at least \$350 million less certain prepayments made under the Credit Facility.

The foregoing covenants could adversely affect our ability to finance our operations, engage in business activities that may be in our interest and plan for or react to market conditions or otherwise execute our business strategies.

Our ability to comply with these covenants may be affected by events beyond our control, including prevailing economic, financial and industry conditions.

Our failure to comply with any of these covenants could result in a default under the Credit Facility. If that were to occur, the Lender could choose to accelerate the maturity of the indebtedness. If the Lender were to accelerate the maturity of the indebtedness, we may not have sufficient liquidity to repay the entire balance of the outstanding borrowings and other obligations under the Credit Facility.

As we execute against our strategy, a significant amount of our deployed capital may be concentrated in partner companies operating in the same or similar industries, limiting our diversification.

Our capital deployments could be concentrated in several partner companies that operate in the same or similar industries. This may cause us to be more susceptible to any single economic, regulatory or other occurrence affecting those particular industries than we would otherwise be if our partner companies operated in more diversified industries.

Our business model does not rely upon, or plan for, the receipt of operating cash flows from our partner companies. Our partner companies generally provide us with no cash flow from their operations. We rely on cash on hand, liquidity events and our ability to generate cash from capital raising activities to finance our operations.

We need capital to fund the capital needs of our existing partner companies. We also need cash to service and repay our outstanding debt, finance our corporate overhead and meet our existing funding commitments. As a result, we have substantial cash requirements. Our partner companies do not provide us with cash flow from their operations. To the extent our partner companies generate any cash from operations, they generally retain the funds to develop their own businesses. As a result, we must rely on cash on hand, partner company liquidity events and new capital raising activities to meet our cash needs. If we are unable to find ways of monetizing our holdings or raising additional capital on attractive terms, we may face liquidity issues that will require us to constrain our ability to execute our business strategy and limit our ability to provide financial support to our existing partner companies.

Fluctuations in the price of the common stock of our publicly traded holdings may affect the price of our common stock.

From time to time, we may hold equity interests in companies that are publicly traded. Fluctuations in the market prices of the common stock of publicly traded holdings may affect the price of our common stock. Historically, the market prices of our publicly traded holdings have been highly volatile and subject to fluctuations unrelated or disproportionate to operating performance.

We may be unable to obtain maximum value for our holdings or to sell our holdings on a timely basis.

We hold significant positions in our partner companies. If we were to divest all or part of our holdings in a partner company, we may have to sell our interests at a relative discount to intrinsic value. For partner companies with publicly traded stock, we may be unable to sell our holdings at then-quoted market prices. The trading volume and public float in the common stock of a publicly traded partner company may be small relative to our holdings. As a result, any significant open-market divestiture by us of our holdings in such a partner company, if possible at all, would likely have a material adverse effect on the market price of its common stock and on our proceeds from such a divestiture. Additionally, we may not be able to take our partner companies public as a means of monetizing our position or creating shareholder value.

Registration and other requirements under applicable securities laws and contractual restrictions also may adversely affect our ability to dispose of our partner company holdings on a timely basis.

Our success is dependent on our senior management.

Our success is dependent on our senior management team's ability to execute our strategy. On April 6, 2018, we publicly announced a series of management changes intended to streamline our organizational structure and reduce our operating costs. These aggressive cost-reduction initiatives better aligned our cost structure with the strategy we announced in January 2018. A loss of one or more of the remaining members of our senior management team without adequate replacement could have a material adverse effect on us.

Our business strategy may not be successful if valuations in the market sectors in which our partner companies participate decline.

Our strategy involves creating value for our shareholders by helping our partner companies build value and, if appropriate, accessing the public and private capital markets. Therefore, our success is dependent on the value of our partner companies as determined by the public and private capital markets. Many factors, including reduced market interest, may cause the market value of our partner companies to decline. If valuations in the market sectors in which our partner companies participate decline, their access to the public and private capital markets on terms acceptable to them may be limited.

Our partner companies could make business decisions that are not in our best interests or with which we do not agree, which could impair the value of our holdings.

Although we currently own a significant, influential interest in some of our partner companies, we do not maintain a controlling interest in any of our partner companies. Acquisitions of interests in partner companies in which we share or have

no control, and the dilution of our interests in or loss of control of partner companies, will involve additional risks that could cause the performance of our interests and our operating results to suffer, including:

- the management of a partner company having economic or business interests or objectives that are different from ours; and
- the partner companies not taking our advice with respect to the financial or operating issues they may encounter.

Our inability to control our partner companies also could prevent us from assisting them, financially or otherwise, or could prevent us from liquidating our interests in them at a time or at a price that is favorable to us. Additionally, our partner companies may not act in ways that are consistent with our business strategy. These factors could hamper our ability to maximize returns on our interests and cause us to incur losses on our interests in these partner companies.

We may have to buy, sell or retain assets when we would otherwise not wish to do so in order to avoid registration under the Investment Company Act.

The Investment Company Act of 1940 regulates companies which are engaged primarily in the business of investing, reinvesting, owning, holding or trading in securities. Under the Investment Company Act, a company may be deemed to be an investment company if it owns investment securities with a value exceeding 40% of the value of its total assets (excluding government securities and cash items) on an unconsolidated basis, unless an exemption or safe harbor applies. We refer to this test as the “40% Test.” Securities issued by companies other than consolidated partner companies are generally considered “investment securities” for purposes of the Investment Company Act, unless other circumstances exist which actively involve the company holding such interests in the management of the underlying company. We are a company that partners with growth-stage companies to build value; we are not engaged primarily in the business of investing, reinvesting or trading in securities. We are in compliance with the 40% Test. Consequently, we do not believe that we are an investment company under the Investment Company Act.

We monitor our compliance with the 40% Test and seek to conduct our business activities to comply with this test. It is not feasible for us to be regulated as an investment company because the Investment Company Act rules are inconsistent with our strategy of actively helping our partner companies in their efforts to build value. In order to continue to comply with the 40% Test, we may need to take various actions which we would otherwise not pursue. For example, we may be limited in the manner or timing in which we sell our interests in a partner company. Our ownership levels also may be affected if our partner companies are acquired by third parties or if our partner companies issue stock which dilutes our ownership interest. The actions we may need to take to address these issues while maintaining compliance with the 40% Test could adversely affect our ability to create and realize value at our partner companies.

Economic disruptions and downturns may have negative repercussions for us.

Events in the United States and international capital markets, debt markets and economies may negatively impact our stock price and our ability to pursue certain tactical and strategic initiatives, such as accessing additional public or private equity or debt financing for us or for our partner companies and selling our interests in partner companies on terms acceptable to us and in time frames consistent with our expectations.

We cannot provide assurance that material weaknesses in our internal control over financial reporting will not be identified in the future.

We cannot assure you that material weaknesses in our internal control over financial reporting will not be identified in the future. Any failure to maintain or implement required new or improved controls, or any difficulties we encounter in their implementation, could result in a material weakness, or could result in material misstatements in our Consolidated Financial Statements. These misstatements could result in a restatement of our Consolidated Financial Statements, cause us to fail to meet our reporting obligations and/or cause investors to lose confidence in our reported financial information, leading to a decline in our stock price.

Risks Related to Our Partner Companies

Most of our partner companies have a history of operating losses and/or limited operating history and may never be profitable.

Most of our partner companies have a history of operating losses and/or limited operating history, have significant historical losses and may never be profitable. Many have incurred substantial costs to develop and market their products, have incurred net losses and cannot fund their cash needs from operations. We expect that the operating expenses of certain of our partner companies will increase substantially in the foreseeable future as they continue to develop products and services, increase sales and marketing efforts, and expand operations.

Our partner companies face intense competition, which could adversely affect their business, financial condition, results of operations and prospects for growth.

There is intense competition in the technology marketplaces, and we expect competition to intensify in the future. Our business, financial condition, and results of operations will be materially adversely affected if our partner companies are not able to compete successfully. Many of the present and potential competitors may have greater financial, technical, marketing and other resources than those of our partner companies. This may place our partner companies at a disadvantage in responding to the offerings of their competitors, technological changes or changes in client requirements. Also, our partner companies may be at a competitive disadvantage because many of their competitors have greater name recognition, more extensive client bases and a broader range of product offerings. In addition, our partner companies may compete against one another.

The success or failure of many of our partner companies is dependent upon the ultimate effectiveness of newly-created technologies, medical devices, financial services, healthcare diagnostics, etc.

Our partner companies' business strategies are often highly dependent upon the successful launch and commercialization of an innovative technology or device, including, without limitation, technologies or devices used in healthcare, financial services or digital media. Despite all of our efforts to understand the research and development underlying the innovation or creation of such technologies and devices before we deploy capital into a partner company, sometimes the performance of the technology or device does not match our expectations or those of our partner company. In those situations, it is likely that we will incur a partial or total loss of the capital which we deployed in such partner company.

Our partner companies may fail if they do not adapt to changing marketplaces.

If our partner companies fail to adapt to changes in technology and customer and supplier demands, they may not become or remain profitable. There is no assurance that the products and services of our partner companies will achieve or maintain market penetration or commercial success, or that the businesses of our partner companies will be successful.

The technology marketplaces are characterized by:

- rapidly changing technology;
- evolving industry standards;
- frequent introduction of new products and services;
- shifting distribution channels;
- evolving government regulation;
- frequently changing intellectual property landscapes; and
- changing customer demands.

Our future success will depend on our partner companies' ability to adapt to these evolving marketplaces. They may not be able to adequately or economically adapt their products and services, develop new products and services or establish and maintain effective distribution channels for their products and services. If our partner companies are unable to offer competitive products and services or maintain effective distribution channels, they will sell fewer products and services and forego potential revenue, possibly causing them to lose money. In addition, we and our partner companies may not be able to respond to the marketplace changes in an economically efficient manner, and our partner companies may become or remain unprofitable.

Our partner companies may grow rapidly and may be unable to manage their growth.

We expect some of our partner companies to grow rapidly. Rapid growth often places considerable operational, managerial and financial strain on a business. To successfully manage rapid growth, our partner companies must, among other things:

- improve, upgrade and expand their business infrastructures;
- scale up production operations;
- develop appropriate financial reporting controls;
- attract and retain qualified personnel; and
- maintain appropriate levels of liquidity.

If our partner companies are unable to manage their growth successfully, their ability to respond effectively to competition and to achieve or maintain profitability will be adversely affected.

Based on our business model, some or all of our partner companies will need to raise additional capital to fund their operations at any given time. We may not be able to, or decline to, fund some or all of such amounts and such amounts may not be available from third parties on acceptable terms, if at all. Further, if our partner companies do raise additional capital from third parties, either debt or equity, such capital may rank senior to, or dilute, our interests in such companies.

We cannot be certain that our partner companies will be able to obtain additional financing on favorable terms when needed, if at all. We may not be able to, or decline to, provide partner companies with sufficient capital resources to enable them to reach a cash-flow positive position or a sale of the company. General economic disruptions and downturns may also negatively affect the ability of some of our partner companies to fund their operations from other stockholders and capital sources. We also may fail to accurately project the capital needs of partner companies. If partner companies need capital but are not able to raise capital from us or other outside sources, then they may need to cease or scale back operations. In such event, our interest in any such partner company will become less valuable. If our partner companies raise additional capital from third parties, either debt or equity, such capital may be dilutive, making our interests less valuable or if such capital ranks senior to the capital we have deployed, such capital may entitle its holders to receive returns of capital before we are entitled to receive any return of our deployed capital. Also, in the event of any insolvency, liquidation, dissolution, reorganization or bankruptcy of a partner company, holders of such partner company's instruments that rank senior to our deployed capital will typically be entitled to receive payment in full before we receive any return of our deployed capital. After returning such senior capital, such partner company may not have any remaining assets to use for returning capital to us, causing us to lose some or all of our deployed capital in such partner company.

Economic disruptions and downturns may negatively affect our partner companies' plans and their results of operations.

Many of our partner companies are largely dependent upon outside sources of capital to fund their operations. Disruptions in the availability of capital from such sources will negatively affect the ability of such partner companies to pursue their business models and will force such companies to revise their growth and development plans accordingly. Any such changes will, in turn, negatively affect our ability to realize the value of our capital deployments in such partner companies.

In addition, downturns in the economy as well as possible governmental responses to such downturns and/or to specific situations in the economy could affect the business prospects of certain of our partner companies, including, but not limited to, in the following ways: weaknesses in the financial services industries; reduced business and/or consumer spending; and/or systemic changes in the ways the healthcare system operates in the United States.

Some of our partner companies may be unable to protect their proprietary rights and may infringe on the proprietary rights of others.

Our partner companies assert various forms of intellectual property protection. Intellectual property may constitute an important part of partner company assets and competitive strengths. Federal law, most typically copyright, patent, trademark and trade secret laws, generally protects intellectual property rights. Although we expect that our partner companies will take reasonable efforts to protect the rights to their intellectual property, third parties may develop similar intellectual property independently. Moreover, the complexity of international trade secret, copyright, trademark and patent law, coupled with the limited resources of our partner companies and the demands of quick delivery of products and services to market, create a risk that partner company efforts to prevent misappropriation of their technology will prove inadequate.

Some of our partner companies also license intellectual property from third parties and it is possible that they could become subject to infringement actions based upon their use of the intellectual property licensed from those third parties. Our partner companies generally obtain representations as to the origin and ownership of such licensed intellectual property. However, this may not adequately protect them. Any claims against our partner companies' proprietary rights, with or without merit, could subject the companies to costly litigation and divert their technical and management personnel from other business concerns. If our partner companies incur costly litigation and their personnel are not effectively deployed, the expenses and losses incurred by our partner companies will increase and their profits, if any, will decrease.

Third parties have and may assert infringement or other intellectual property claims against our partner companies based on their patents or other intellectual property claims. Even though we believe our partner companies' products do not infringe any third party's patents, they may have to pay substantial damages, possibly including treble damages, if it is ultimately determined that they do. They may have to obtain a license to sell their products if it is determined that their products infringe on another person's intellectual property. Our partner companies might be prohibited from selling their products before they obtain a license, which, if available at all, may require them to pay substantial royalties. Even if infringement claims against our partner companies are without merit, defending these types of lawsuits takes significant time, is expensive and may divert management attention from other business concerns.

Certain of our partner companies could face legal liabilities from claims made against their operations, products or work.

Because manufacture and sale of certain partner company products entail an inherent risk of product liability, certain partner companies maintain product liability insurance. Although none of our current partner companies have experienced any material losses in this regard, there can be no assurance that they will be able to maintain or acquire adequate product liability insurance in the future and any product liability claim could have a material adverse effect on a partner company's financial

stability, revenues and results of operations. In addition, many of the engagements of our partner companies involve projects that are critical to the operation of their clients' businesses. If our partner companies fail to meet their contractual obligations, they could be subject to legal liability, which could adversely affect their business, operating results and financial condition. Partner company contracts typically include provisions designed to limit their exposure to legal claims relating to their services and products. However, these provisions may not protect our partner companies or may not be enforceable. Also, some of our partner companies depend on their relationships with their clients and their reputation for high-quality services and integrity to retain and attract clients. As a result, claims made against our partner companies' work may damage their reputation, which in turn could impact their ability to compete for new work and negatively impact their revenue and profitability.

Our partner companies' success depends on their ability to attract and retain qualified personnel.

Our partner companies depend upon their ability to attract and retain senior management and key personnel, including trained technical and marketing personnel. Our partner companies also will need to continue to hire additional personnel as they expand. Although our current partner companies have not been the subject of a work stoppage, any future work stoppage could have a material adverse effect on their respective operations. A shortage in the availability of the requisite qualified personnel or work stoppage would limit the ability of our partner companies to grow, to increase sales of their existing products and services, and to launch new products and services.

Government regulations and legal uncertainties may place financial burdens on the businesses of our partner companies.

Failure to comply with applicable requirements of the FDA or comparable regulation in foreign countries can result in fines, recall or seizure of products, total or partial suspension of production, withdrawal of existing product approvals or clearances, refusal to approve or clear new applications or notices and criminal prosecution. Manufacturers of pharmaceuticals and medical diagnostic devices and operators of laboratory facilities are subject to strict federal and state regulation regarding validation and the quality of manufacturing and laboratory facilities. Failure to comply with these quality regulation systems requirements could result in civil or criminal penalties or enforcement proceedings, including the recall of a product or a "cease distribution" order. The enactment of any additional laws or regulations that affect healthcare insurance policy and reimbursement (including Medicare reimbursement) could negatively affect some of our partner companies. If Medicare or private payers change the rates at which our partner companies or their customers are reimbursed by insurance providers for their products, such changes could adversely impact our partner companies.

Some of our partner companies may be subject to significant environmental, health, data security and safety regulation.

Some of our partner companies may be subject to licensing and regulation under federal, state and local laws and regulations relating to the protection of the environment and human health and safety, including laws and regulations relating to the handling, transportation and disposal of medical specimens, infectious and hazardous waste and radioactive materials, as well as to the safety and health of manufacturing and laboratory employees. In addition, some of our partner companies are subject to federal, state and local financial securities and data security regulations, including, without limitation, the Health Insurance Portability and Accountability Act of 1996, as amended, and the European General Data Protection Regulation, which impose varying degrees of additional obligations, costs and risks upon such partner companies, including the imposition of significant penalties in the event of any non-compliance. Further, the federal Occupational Safety and Health Administration has established extensive requirements relating to workplace safety. Compliance with such regulations could increase operating costs at certain of our partner companies, and the failure to comply could negatively affect the operations and results of some of our partner companies.

Catastrophic events may disrupt our partner companies' businesses.

Some of our partner companies are highly automated businesses and rely on their network infrastructure, various software applications and many internal technology systems and data networks for their customer support, development, sales and marketing and accounting and finance functions. Further, some of our partner companies provide services to their customers from data center facilities in multiple locations. Some of these data centers are operated by third parties, and the partner companies have limited control over those facilities. A disruption or failure of these systems or data centers in the event of a natural disaster, telecommunications failure, power outage, cyber-attack, war, terrorist attack or other catastrophic event could cause system interruptions, reputational harm, delays in product development, breaches of data security and loss of critical data. Such an event could also prevent the partner companies from fulfilling customer orders or maintaining certain service level requirements, particularly in respect of their SaaS offerings. While certain of our partner companies have developed certain disaster recovery plans and maintain backup systems to reduce the potentially adverse effect of such events, a catastrophic event that resulted in the destruction or disruption of any of their data centers or their critical business or information technology systems could severely affect their ability to conduct normal business operations and, as a result, their business, operating results and financial condition could be adversely affected.

We cannot provide assurance that our partner companies' disaster recovery plans will address all of the issues they may encounter in the event of a disaster or other unanticipated issue, and their business interruption insurance may not adequately compensate them for losses that may occur from any of the foregoing. In the event that a natural disaster, terrorist attack or other catastrophic event were to destroy any part of their facilities or interrupt their operations for any extended period of time, or if harsh weather or health conditions prevent them from delivering products in a timely manner, their business, financial condition and operating results could be adversely affected.

Item 1B. Unresolved Staff Comments

None.

Item 2. Properties

Our corporate headquarters and administrative offices in Radnor, Pennsylvania contain approximately 15,600 square feet of office space in one building. We currently lease our corporate headquarters under a lease expiring in April 2026.

Item 3. Legal Proceedings

We, as well as our partner companies, are involved in various claims and legal actions arising in the ordinary course of business. While in the current opinion of management, the ultimate disposition of these matters will not have a material adverse effect on our consolidated financial position or results of operations, no assurance can be given as to the outcome of these lawsuits, and one or more adverse dispositions could have a material adverse effect on our consolidated financial position and results of operations, or that of our partner companies. See Note 12 to the Consolidated Financial Statements for a discussion of ongoing claims and legal actions.

Item 4. Mine Safety Disclosures

Not applicable.

ANNEX TO PART I — EXECUTIVE OFFICERS OF THE REGISTRANT

Name	Age	Position	Executive Officer Since
Brian J. Sisko	58	President and Chief Executive Officer	2007
Mark A. Herndon	49	Senior Vice President and Chief Financial Officer	2018

Mr. Sisko joined Safeguard as Senior Vice President and General Counsel in August 2007 and served as Executive Vice President and Managing Director from November 2012 until his promotion to Chief Operating Officer, Executive Vice President and Managing Director in January 2014. Mr. Sisko began serving as President and Chief Executive Officer July 1, 2018. Prior to joining Safeguard, Mr. Sisko served as Chief Legal Officer, Senior Vice President and General Counsel of Traffic.com (at the time, a public company), a former partner company of Safeguard, from February 2006 until June 2007 (following its acquisition by NAVTEQ Corporation in March 2007); Chief Operating Officer from February 2005 to January 2006 of Halo Technology Holdings, Inc., a public holding company for enterprise software businesses (Halo Technology Holdings filed for bankruptcy protection under Chapter 11 of the United States Bankruptcy Code in August 2007); ran B/T Business and Technology, an advisor and strategic management consultant to a variety of public and private companies, from January 2002 to February 2005; and was a Managing Director from April 2000 to January 2002, of Katalyst, LLC, a venture capital and consulting firm. Mr. Sisko also previously served as Senior Vice President-Corporate Development and General Counsel of National Media Corporation, at the time a New York Stock Exchange-listed multi-media marketing company with operations in 70 countries, and as a partner in the corporate finance, mergers and acquisitions practice group of the Philadelphia-based law firm, Klehr, Harrison, Harvey, Branzburg LLP.

Mr. Herndon joined Safeguard as Senior Vice President and Chief Financial Officer in September 2018. Prior to joining Safeguard, Mr. Herndon served in a variety of client service and national office roles at PricewaterhouseCoopers from 1991 to 2018, including his position as Assurance Partner from 2006 until 2018.

PART II

Item 5. Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Our common stock is listed on the New York Stock Exchange (Symbol: SFE). The high and low sale prices reported within each quarter of 2018 and 2017 were as follows:

	<u>High</u>	<u>Low</u>
Fiscal year 2018:		
First quarter	\$ 13.10	\$ 10.83
Second quarter	13.95	11.95
Third quarter	13.18	8.85
Fourth quarter	9.88	7.98
Fiscal year 2017:		
First quarter	\$ 13.97	\$ 11.80
Second quarter	12.95	10.65
Third quarter	13.70	11.35
Fourth quarter	14.40	10.75

The high and low sale prices reported in the first quarter of 2019 through February 25, 2019 were \$10.50 and \$8.36 respectively, and the last sale price reported on February 25, 2019, was \$10.33. No cash dividends have been declared in any of the years presented. As of February 27, 2019, there were approximately 11,483 beneficial holders of our common stock.

Issuer Purchases of Equity Securities

The following table provides information about our purchases of equity securities during the quarter ended December 31, 2018 registered pursuant to Section 12 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"):

<u>Period</u>	<u>Total Number of Shares Purchased (a)</u>	<u>Average Price Paid Per Share</u>	<u>Total Number of Shares Purchased as Part of Publicly Announced Plan (b)</u>	<u>Maximum Number (or Approximate Dollar Value) of Shares that May Yet Be Purchased Under the Plan (b)</u>
October 1, 2018 - October 31, 2018	2,925	\$ 8.55	—	\$ 14,636,135
November 1, 2018 - November 30, 2018	788	\$ 8.33	—	\$ 14,636,135
December 1, 2018 - December 31, 2018	3,098	\$ 9.26	—	\$ 14,636,135
Total	<u>6,811</u>	<u>\$ 8.85</u>	<u>—</u>	

(a) During the fourth quarter of 2018, we repurchased an aggregate of approximately 7 thousand shares of our common stock initially issued as restricted stock awards to employees and subsequently withheld from employees to satisfy the statutory withholding tax liability upon the vesting of such restricted stock awards.

(b) In July 2015, our Board of Directors authorized us to repurchase shares of our outstanding common stock with an aggregate value of up to \$25.0 million. These repurchases may be made in open market or privately negotiated transactions, including under plans complying with Rule 10b5-1 of the Exchange Act, based on market conditions, stock price, and other factors. The share repurchase program does not obligate us to acquire any specific number of shares.

Item 6. *Selected Consolidated Financial Data*

Not applicable for a smaller reporting company.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Cautionary Note Concerning Forward-Looking Statements

This Annual Report on Form 10-K contains forward-looking statements that are based on current expectations, estimates, forecasts and projections about Safeguard Scientifics, Inc. ("Safeguard" or "we"), the industries in which we operate and other matters, as well as management's beliefs and assumptions and other statements regarding matters that are not historical facts. These statements include, in particular, statements about our plans, strategies and prospects. For example, when we use words such as "projects," "expects," "anticipates," "intends," "plans," "believes," "seeks," "estimates," "should," "would," "could," "will," "opportunity," "potential" or "may," variations of such words or other words that convey uncertainty of future events or outcomes, we are making forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Our forward-looking statements are subject to risks and uncertainties. Factors that could cause actual results to differ materially include, among others, our ability to make good decisions about the deployment of capital, the fact that our partner companies may vary from period to period, our substantial capital requirements and absence of liquidity from our partner company holdings, our ability to service and pay the indebtedness under and remain in compliance with the terms of our credit facility, fluctuations in the market prices of our publicly traded partner company holdings, competition, our inability to obtain maximum value for our partner company holdings, our ability to attract and retain qualified employees, our ability to execute our strategy, market valuations in sectors in which our partner companies operate, our inability to control our partner companies, our need to manage our assets to avoid registration under the Investment Company Act of 1940, and risks associated with our partner companies and their performance, including the fact that most of our partner companies have a limited history and a history of operating losses, face intense competition and may never be profitable, the effect of economic conditions in the business sectors in which our partner companies operate, compliance with government regulation and legal liabilities, all of which are discussed in Item 1A. "Risk Factors." Many of these factors are beyond our ability to predict or control. In addition, as a result of these and other factors, our past financial performance should not be relied on as an indication of future performance. All forward-looking statements attributable to us, or to persons acting on our behalf, are expressly qualified in their entirety by this cautionary statement. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law. In light of these risks and uncertainties, the forward-looking events and circumstances discussed in this report might not occur.

Overview

Over the recent past, Safeguard has provided capital and relevant expertise to fuel the growth of technology-driven businesses in healthcare, financial services and digital media. Throughout this document, we use the term "partner company" to generally refer to those companies in which we have a significant equity interest. In many, but not all cases, we will also be actively involved, influencing development through board representation and management support, in addition to the influence we exert through our equity ownership. From time to time, in addition to these partner companies, we also hold relatively small equity interests in other enterprises where we do not exert significant influence and do not participate in management activities. In some cases, these interests relate to former partner companies.

In January 2018, Safeguard announced that we will not deploy any capital into new partner company opportunities and will focus on supporting our existing partner companies and maximizing monetization opportunities to enable returning value to shareholders. In that context, we have, are and will consider initiatives including, among others: the sale of individual partner companies, the sale of certain or all partner company interests in secondary market transactions, or a combination thereof, as well as other opportunities to maximize shareholder value. We anticipate returning value to shareholders after satisfying our debt obligations and working capital needs.

Safeguard's existing group of partner companies consists principally of technology-driven businesses in healthcare, financial services and digital media that are capitalizing on the next wave of enabling technologies including enhanced security and predictive analytics. We strive to create long-term value for our shareholders by helping our partner companies to increase their market penetration, grow revenue and improve cash flow. Safeguard typically deploys up to \$25 million in a company.

Principles of Accounting for Ownership Interests in Partner Companies

We account for our interests in our partner companies using one of the following methods: Equity or other. The accounting method applied is generally determined by the degree of our influence over the entity, primarily determined by our voting interest in the entity.

Equity Method. We account for partner companies whose results are not consolidated, but over whom we exercise significant influence, using the equity method of accounting. We also account for our interests in some private equity funds

under the equity method of accounting, based on our non-controlling general and limited partner interests. Under the equity method of accounting, our share of the income or loss of the partner company is reflected in Equity income (loss) in the Consolidated Statements of Operations. We report our share of the income or loss of the equity method partner companies on a one quarter lag. We include the carrying value of equity method partner companies in Ownership interests in and advances to partner companies on the Consolidated Balance Sheets.

When the carrying value of our holdings in an equity method partner company is reduced to zero, no further losses are recorded in our Consolidated Statements of Operations unless we have outstanding guarantee obligations or have committed additional funding to the equity method partner company. When the equity method partner company subsequently reports income, we will not record our share of such income until it equals the amount of our share of losses not previously recognized.

Other Method. We account for our equity interests in companies which are not accounted for under the equity method or fair value method as equity securities without readily determinable fair values. We account for these securities based on our original cost less impairments, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or a similar investment of the same issuer. Under this method, our share of the income or losses of such companies is not included in our Consolidated Statements of Operations. We include the carrying value of these investments in Ownership interests in and advances to partner companies on the Consolidated Balance Sheets.

Critical Accounting Policies and Estimates

Accounting policies, methods and estimates are an integral part of the Consolidated Financial Statements prepared by management and are based upon management's current judgments. These judgments are normally based on knowledge and experience with regard to past and current events and assumptions about future events. Certain accounting policies, methods and estimates are particularly important because of their significance to the financial statements and because of the possibility that future events affecting them may differ from management's current judgments. While there are a number of accounting policies, methods and estimates affecting our financial statements as described in Note 1 to our Consolidated Financial Statements, the most significant relate to impairment of ownership interests in and advances to partner companies.

Valuation of Credit facility repayment feature

The fair value of the Credit Facility repayment feature is determined quarterly based on the present value of make-whole interest payments that are expected to be paid based on cash flow estimates that include a probability weighted estimate of exit transactions, estimated follow-on deployments, estimated quarterly operating cash flows and other cash commitments that would result in qualified cash exceeding the \$50 million threshold specified in the Credit facility.

Impairment of Ownership Interests In and Advances to Partner Companies

On a periodic basis, but no less frequently than at the end of each quarter, we evaluate the carrying value of our interests in partner companies for possible impairment based on achievement of business plan objectives and milestones, the financial condition and prospects of the company, market conditions and other relevant factors. The business plan objectives and milestones we consider include, among others, those related to financial performance, such as achievement of planned financial results or completion of capital raising activities, and those that are not primarily financial in nature, such as hiring of key employees or the establishment of strategic relationships. We then determine whether there has been an other than temporary decline in the value of our ownership interest in the company. Any impairment to be recognized is measured as the amount by which the carrying value of an asset exceeds its fair value. The adjusted carrying value of a partner company is not increased if circumstances suggest the value of the partner company has subsequently recovered.

The fair value of privately held partner companies is generally determined based on the value at which independent third parties have invested or have committed to invest in these companies, or based on other valuation methods including discounted cash flows, valuations of comparable public companies and valuations of acquisitions of comparable companies.

Our partner companies operate in industries which are rapidly evolving and extremely competitive. It is reasonably possible that our accounting estimates with respect to the ultimate recoverability of the carrying value of ownership interests in and advances to partner companies could change in the near term and that the effect of such changes on our Consolidated Financial Statements could be material. While we believe that the current recorded carrying values of our equity and other method companies are not impaired, there can be no assurance that our future results will confirm this assessment or that a significant write-down or write-off will not be required in the future.

Total impairment charges related to ownership interests in and advances to our equity and cost method partner companies were as follows:

Accounting Method	Year Ended December 31,	
	2018	2017
	(In thousands)	
Equity	\$ 12,626	\$ 15,993
Other	1,097	216
Total	\$ 13,723	\$ 16,209

Impairment charges related to equity method partner companies are included in Equity income (loss) in the Consolidated Statements of Operations. Impairment charges related to other investments are included in Other income (loss), net in the Consolidated Statements of Operations.

In addition to ownership interests in our partner companies, we also maintain an interest in the management company and general partner of Penn Mezzanine, a mezzanine lender focused on lower middle-market, Mid-Atlantic companies. Through our relationship with Penn Mezzanine, we acquired participating interests in mezzanine loans and related equity interests of the borrowers. Penn Mezzanine is not making any new loans and we have no remaining loans in which we have participating interests. The carrying value of our remaining participating interests in debt and equity securities associated with Penn Mezzanine was zero as of December 31, 2018 and 2017. During the year ended December 31, 2017, we recorded a \$0.4 million loss on impairment of our Penn Mezzanine debt and equity participations in Other income (loss), net in the Consolidated Statements of Operations.

Results of Operations

We operate as one operating segment based upon the similar nature of our technology-driven partner companies, the functional alignment of the organizational structure, and the reports that are regularly reviewed by the chief operating decision maker for the purpose of assessing performance and allocating resources.

There is intense competition in the markets in which our partner companies operate. Additionally, the markets in which these companies operate are characterized by rapidly changing technology, evolving industry standards, frequent introduction of new products and services, shifting distribution channels, evolving government regulation, frequently changing intellectual property landscapes and changing customer demands. Their future success depends on each company's ability to execute its business plan and to adapt to its respective rapidly changing market.

As previously stated, throughout this document, we use the term "partner company" to generally refer to those companies in which we have an economic interest and in which we, generally, but not in all cases, are actively involved, influencing development, usually through board representation, in addition to our equity ownership.

The following listing of our partner companies only include entities which were considered partner companies as of December 31, 2018 . Certain entities which may have been partner companies in previous periods are omitted if, as of December 31, 2018 , they had been sold or are no longer considered a partner company.

Partner Company	Safeguard Primary Ownership as of December 31,		Accounting Method
	2018	2017	
Aktana, Inc.	18.9%	24.5%	Equity
Brickwork ***	20.3%	20.3%	Equity
Clutch Holdings, Inc.	41.2%	42.7%	Equity
Flashtalking *	10.1%	N/A	Other
Hoopla Software, Inc.	25.5%	25.5%	Equity
InfoBionic, Inc.	25.4%	39.5%	Equity
Lumesis, Inc.	43.7%	43.8%	Equity
MediaMath, Inc. **	13.4%	20.5%	Other
meQuilibrium	33.1%	36.2%	Equity
Moxe Health Corporation	32.4%	32.4%	Equity
NovaSom, Inc.	31.7%	31.7%	Equity
Prognos Health Inc.	28.7%	28.7%	Equity
Propeller ***	19.5%	24.0%	Equity
QuanticMind, Inc.	24.2%	24.7%	Equity
Sonobi, Inc.	21.6%	21.6%	Equity
Syapse, Inc.	20.0%	20.1%	Equity
T-REX Group, Inc.	21.1%	21.1%	Equity
Transactis, Inc.	23.7%	23.8%	Equity
Trice Medical, Inc.	17.4%	24.8%	Equity
WebLinc, Inc.	38.5%	38.0%	Equity
Zipnosis, Inc.	34.7%	25.4%	Equity

* Spongecell, Inc. merged into Flashtalking in January 2018.

** The Company sold 39.1% of its ownership interest back to MediaMath, Inc. for \$45 million of proceeds in July 2018.

*** The Company's ownership interests in Brickwork and Propeller Health were both disposed of, in separate transactions, in January 2019.

Year ended December 31, 2018 versus year ended December 31, 2017

	Year Ended December 31,		
	2018	2017	Variance
	(In thousands)		
General and administrative expense	(16,871)	\$ (17,131)	\$ 260
Other loss, net	(5,158)	(339)	(4,819)
Interest income	2,806	3,876	(1,070)
Interest expense	(16,067)	(8,620)	(7,447)
Equity income (loss)	19,661	(66,358)	86,019
Net loss	\$ (15,629)	\$ (88,572)	\$ 72,943

General and Administrative Expense. Our general and administrative expenses consist primarily of employee compensation, insurance, travel-related costs, depreciation, office rent and professional services such as consulting, legal, and accounting. General and administrative expense also includes stock-based compensation expense which consists primarily of expense related to grants of stock options, restricted stock and deferred stock units to our employees and directors. General and administrative expense decreased \$0.3 million for the year ended December 31, 2018 compared to the prior year primarily due to a \$4.1 million decrease in employee compensation from reduced staffing levels and a decrease of \$0.2 million in stock-based compensation mostly related to performance-based awards, which was offset by an increase in severance benefits of \$3.3 million, an increase of \$0.4 million for depreciation of our leasehold improvements, and higher professional fees of \$1.6

million related primarily to responding to shareholder proposals. The accelerated depreciation in the fourth quarter of 2018 of approximately \$0.5 million is the result of our expectation to exit our current facility by June 2019.

Other Loss, net. Other loss, net increased \$4.8 million for the year ended December 31, 2018, compared to the prior year. Other loss, net for the year ended December 31, 2018 consists of a \$4.5 million loss related to the increase in the fair value of the amended credit facility repayment feature liability derivative and a \$1.2 million loss from the decrease in the fair value of escrow shares of Invitae Corporation common stock obtained in connection with the sale of Good Start Genetics in August 2017. These losses were partially offset by a \$1.4 million gain on the increase in the value of certain non-partner company equity securities based upon an observable price change. Other loss, net for the year ended December 31, 2017 consists of a \$0.5 million decrease in the fair value of escrow shares of Invitae Corporation common stock and a \$0.2 million impairment of an interest in a legacy private equity fund, net of a \$0.4 million gain on legacy Penn Mezzanine debt and equity participations.

Interest Income. Interest income includes all interest earned on available cash and marketable security balances as well as interest earned on notes receivable from our partner companies. Interest income decreased \$1.1 million compared to the prior year due to lower average notes receivable from our partner companies partially offset by higher average investment balances in marketable securities during the fourth quarter of 2018.

Interest Expense. Interest expense is primarily related to our credit facility and convertible senior debentures. Interest expense increased \$7.4 million compared to the prior year primarily due to accelerated interest resulting from the make-whole interest provisions of the credit facility and accelerated debt issue cost amortization both related to the prepayment of debt associated with the credit facility.

Equity Income (Loss). Equity income (loss) fluctuates with the number of partner companies accounted for under the equity method, our voting ownership percentage in these partner companies and the net results of operations of these partner companies. We recognize our share of losses to the extent we have cost basis in the equity of the partner company or we have outstanding commitments or guarantees. Certain amounts recorded to reflect our share of the income or losses of our partner companies accounted for under the equity method are based on estimates and on unaudited results of operations of those partner companies and may require adjustments in the future when audits of these entities are made final. We report our share of the results of our equity method partner companies on a one quarter lag basis.

Equity income (loss) increased \$86.0 million for the year ended December 31, 2018 compared to the prior year. The components of equity income (loss) for the years ended December 31, 2018 and 2017 were as follows:

Year ended December 31:	2018	2017
Gain on the sale of partner interests	\$ 64,172	\$ 4,358
Unrealized dilution gains on the decrease of our percentage ownership in partner companies	9,154	5,877
Gain on Spongecell's merger into Flashtalking	3,808	—
Gain on proceeds received from escrow	1,838	1,445
Loss on impairment of partner companies	(12,626)	(15,739)
Share of losses of our equity method partner companies	(46,685)	(62,299)
	\$ 19,661	\$ (66,358)

The gain on sale of partner interests for the year ended December 31, 2018 is comprised of MediaMath of \$45.0 million, Nexxt (fka Beyond.com) of \$9.5 million, AdvantEdge Healthcare Solutions of \$5.5 million and Cask Data of \$4.2 million. The gain on sale of partner interests for the year ended December 31, 2017 is comprised of Good Start Genetics for \$4.3 million and Nexxt (fka Beyond.com) for \$0.1 million.

The loss on impairment of partner companies for the year ended December 31, 2018 is comprised of Apprenda of \$6.6 million, CloudMine of \$4.8 million and Brickwork for \$1.2 million. The loss on impairment of partner companies for the year ended December 31, 2017 is comprised of Spongecell of \$3.6 million, Pneuron of \$5.2 million and Full Measure of \$7.0 million.

The decrease in our share of losses of our equity method partner companies was due to a decrease in the number of partner companies and a decrease in losses associated with our partner companies.

Income Tax Benefit (Expense)

Income tax benefit (expense) was \$0.0 million for the years ended December 31, 2018 and 2017. We have recorded a valuation allowance to reduce our net deferred tax asset to an amount that is more likely than not to be realized in future years. Accordingly, the benefit of the net operating loss that would have been recognized in each year was offset by changes in the valuation allowance.

Liquidity And Capital Resources

As of December 31, 2018, the Company had \$7.7 million of cash and cash equivalents and \$38.0 million of marketable securities for a total of \$45.7 million. As of December 31, 2018, the Company had \$ 68,600,000.0 million of principal outstanding on its Amended Credit Facility (as defined below) due in May 2020.

In January 2018, the Company announced that, from that date forward, we will not deploy any capital into new partner company opportunities and will focus on supporting our existing partner companies and maximizing monetization opportunities to return value to shareholders. In that context, we have, are and will consider initiatives including, among others: the sale of individual partner companies, the sale of certain or all partner company interests in secondary market transactions, or a combination thereof, as well as other opportunities to maximize shareholder value. We anticipate returning value to shareholders from the sale of partner companies or partner company interests, as applicable, after satisfying our debt obligations and working capital needs.

In connection with our change in strategy, in January 2018, we implemented an initiative to reduce the operating costs of the Company. In April 2018, the Company announced additional management changes intended to further streamline the Company's organizational structure and further reduce its operating costs. In connection with the changes that the Company has implemented, the Company has incurred approximately \$2.8 million of severance payments to terminated employees and will pay an additional \$1.2 million in 2019.

As of December 31, 2018, the Company had \$68.6 million of principal outstanding on its revolving credit facility with HPS Investment Partners, LLC ("Lender") due in May 2020. The Credit Facility requires the Company to maintain (i) a liquidity threshold of at least \$20 million of unrestricted cash; (ii) a minimum aggregate appraised value of ownership interests in its partner companies, plus unrestricted cash in excess of the liquidity threshold, of at least \$350 million less the aggregate amount of all prepayments of the Term Loan; (iii) limit deployments to only existing partner companies and such deployments may not exceed, when combined with deployments after January 1, 2018, \$40 million in the aggregate through the maturity date; (iv) limit certain expenses (which shall exclude severance payments, interest expense, depreciation and stock-based compensation) incurred or paid to no more than \$11.5 million in any twelve-month period after the date of the amendment (or such shorter period as has elapsed since the date of the amendment). Additionally, the Company is restricted from repurchasing shares of its outstanding common stock and/or issuing dividends until such time as the Credit Facility is repaid in full. As of the date these consolidated financial statements were issued, the Company was in compliance with all of these covenants.

Repayment terms under the Credit Facility include a make-whole interest provision equal to the interest that would have been payable had the principal amount subject to repayment been outstanding through the maturity date. If the aggregated amount of the Company's qualified cash at any quarter end exceeds \$50.0 million, the Company will be required to prepay outstanding principal amounts, plus any applicable accrued and make-whole interest, in an amount equal to 100% of such excess. The Company anticipates exceeding the qualified cash threshold at March 31, 2019 and making an applicable required prepayment during the second quarter of 2019.

The Company funds its operations with cash and marketable securities on hand as well as proceeds from the sales of its interests in its partner companies. Due to the nature of the mergers and acquisitions market, and the developmental cycle of companies like the Company's partner companies, the Company's ability to generate specific amounts of liquidity from sales of its partner company interests in any given period of time cannot be assured. Accordingly, the forecasts which the Company utilizes for projecting future compliance with covenants related to its Credit Facility include significantly discounted probability-weighted proceeds from the sales of its interests in its partner companies. Based on these forecasts, management believes the Company will remain in compliance with all its debt covenants. Non-compliance with any of the covenants would constitute an event of default under the Credit Facility, and the Lender could choose to accelerate the maturity of the indebtedness. If the Lender chose not to provide a waiver and were to accelerate the maturity of the indebtedness, the Company would not have sufficient liquidity to repay the entire balance of its outstanding borrowings and other obligations under the Credit Facility.

In order for the Company to maintain compliance with these covenants, the Company's plan includes selling certain of its partner company interests in the ordinary course of its business and limiting capital deployments to existing partner companies. Should the Company not be in compliance with any of its debt covenants and be unable to obtain waivers for such events of default, management would pursue one of a number of potential alternatives to satisfy the obligations, including completing an

equity offering or obtaining a new debt facility to refinance its existing debt. The Company believes that its cash, cash equivalents and marketable securities at December 31, 2018 will be sufficient to fund operations past one year from the issuance of these financial statements.

In 2017, we repurchased on the open market, and retired, an aggregate of \$14.0 million face value of 2018 Debentures at a cost of \$14.5 million, including transaction fees. In connection with the repurchase of these 2018 Debentures, we recognized a \$0.8 million reduction in equity which is included in Accumulated Paid-In Capital in the Consolidated Balance Sheet as of December 31, 2017 and a \$29 thousand loss on extinguishment of the liability which is included in Other income (loss), net in the Consolidated Statements of Operations for the twelve months ended December 31, 2017. In 2018, we extinguished the remaining \$41.0 million face value of 2018 Debentures outstanding.

We previously provided a \$6.3 million letter of credit to the landlord of CompuCom Systems, Inc.'s Dallas headquarters as required in connection with the sale of CompuCom Systems in 2004. The letter of credit was secured by cash and was classified as Long-term restricted cash equivalents on the Consolidated Balance Sheet as of December 31, 2017. During the first quarter of 2018, the restriction on the cash lapsed in connection with the termination of the related letter of credit.

In 2015, the Company's Board of Directors authorized us, from time to time and depending on market conditions, to repurchase up to \$25.0 million of the Company's outstanding common stock. During the years ended December 31, 2018 and 2017, we did not repurchase any shares under this authorization.

We are required to return a portion or all the distributions we received as a general partner of a private equity fund for further distribution to such fund's limited partners ("clawback"). Our ownership in the fund is 19%. The clawback liability is joint and several, such that we may be required to fund the clawback for other general partners should they default. We were notified by the fund's manager that the fund is being dissolved and \$1.0 million of our clawback liability was paid in the first quarter of 2017. The maximum additional clawback liability is \$0.3 million which was reflected in Other long-term liabilities on the Consolidated Balance Sheet at December 31, 2018.

Our ability to generate liquidity from sales of partner companies, sales of marketable securities and from equity and debt issuances has been adversely affected from time to time by adverse circumstances in the U.S. capital markets and other factors. Our current strategy could increase or decrease our liquidity at any point in time. As we seek to provide additional funding to existing partner companies or commit capital to other initiatives, we may be required to expend our cash or incur debt, which will decrease our liquidity. Conversely, as we dispose of our interests in partner companies from time to time, we may receive proceeds from such sales, which could increase our liquidity. From time to time, we are engaged in discussions concerning acquisitions and dispositions which, if consummated, could impact our liquidity, perhaps significantly.

Analysis of Consolidated Cash Flows

Cash flow activity was as follows:

	Year Ended December 31,	
	2018	2017
	(In thousands)	
Net cash used in operating activities	\$ (26,035)	\$ (20,805)
Net cash provided by (used in) investing activities	32,103	(10,127)
Net cash provided by (used in) financing activities	(24,952)	29,625
	<u>\$ (18,884)</u>	<u>\$ (1,307)</u>

Net Cash Used In Operating Activities

Year ended December 31, 2018 versus year ended December 31, 2017. Net cash used in operating activities increased by \$5.2 million for the year ended December 31, 2018 compared to the prior year. The change was primarily due to the decrease in net loss, resulting from gains on the sales of our interests in partner companies, the decrease of our share of losses of our equity method partner companies, the non-cash gain from an observable price change in an investment, and the non-cash loss from the increase in the fair value of the Credit Facility repayment feature.

Net Cash Provided by (Used In) Investing Activities

Year ended December 31, 2018 versus year ended December 31, 2017. Net cash provided by (used in) investing activities increased by \$42.2 million for the year ended December 31, 2018 compared to the prior year. The increase primarily related to a \$50.8 million increase in proceeds from the sales of and distributions from companies, a \$10.5 million repayment of principal outstanding on a note from Nexxt, Inc. and a \$40.9 million decrease in cash proceeds from the net change in marketable

securities. We also invested \$21.6 million less in acquisitions of our ownership interests and advances and loans to partner companies.

Cash proceeds from the sales of and distributions from companies were \$67.4 million for the year ended December 31, 2018 which related primarily to:

- In July 2018, we sold 39.13% of our ownership interest in MediaMath back to MediaMath and received \$45.0 million of proceeds from the partial sale.
- In July 2018, we received \$10.0 million of proceeds from the sale of our interest in AdvantEdge Healthcare Solutions, Inc.
- In May 2018, we received \$11.5 million of proceeds from the sale of substantially all of the assets of Cask Data, Inc.
- In January 2018, we received \$0.6 million of proceeds from the sale of the assets of Aventura, Inc., a former partner company that ceased operations and was fully impaired in 2016.

The Company also received shares of Invitae in August 2017 when Invitae, a public company, acquired former partner company Good Start Genetics, Inc. In February 2018 and October 2018, we sold 414,237 shares and 78,103 shares, respectively, of Invitae Corporation ("Invitae") common stock on the open market for aggregate proceeds of \$3.7 million after transaction fees.

Net Cash Provided by (Used In) Financing Activities

Year ended December 31, 2018 versus year ended December 31, 2017. Net cash provided by (used in) financing activities decreased by \$54.6 million for the year ended December 31, 2018 compared to the prior year. The primary financing activities in 2018 were the repayment of \$41.0 million of our 2018 Debentures on their maturity date of May 15, 2018, \$32.7 million of net proceeds from additional borrowings under our Amended Credit Facility and the \$16.4 million credit facility payment in the fourth quarter. The primary financing activities in 2017 were net proceeds of \$44.3 million from borrowing under the credit facility we entered into in May 2017 and \$14.5 million paid to repurchase and retire \$14.0 million face value of the 2018 Debentures, including transaction fees.

Contractual Cash Obligations and Other Commercial Commitments

The following table summarizes our contractual obligations and other commercial commitments as of December 31, 2018, by period due or expiration of the commitment.

	Payments Due by Period				
	Total	2019	2020 and 2021	2022 and 2023	After 2023
	(In millions)				
Contractual Cash Obligations:					
Credit Facility	\$68.6	22.1	46.5	—	—
Interest payments on debt	10.9	8.4	2.5	—	—
Operating leases (a)	4.4	0.6	1.2	1.2	1.4
Severance payments	1.2	1.2	—	—	—
Potential clawback liabilities (b)	0.3	—	0.3	—	—
Other obligations (c)	2.2	0.8	1.4	—	—
Total Contractual Cash Obligations	\$ 87.6	\$ 33.1	\$ 51.9	\$ 1.2	\$ 1.4

(a) In 2015, we entered into an agreement for the lease of our principal executive offices which expires in April 2026.

(b) We are required to return a portion or all the distributions we received as a general partner of a private equity fund for further distribution to such fund's limited partners ("clawback"). Our ownership in the fund is 19%. The clawback liability is joint and several, such that we may be required to fund the clawback for other general partners should they default. We were notified by the fund's manager that the fund is being dissolved and \$1.0 million of our clawback

liability was paid in the first quarter of 2017. The maximum clawback liability is \$0.3 million which was reflected in Other long-term liabilities on the Consolidated Balance Sheets at December 31, 2018.

(c) Reflects the estimated amount payable to a former Chairman and CEO under an ongoing agreement.

We are involved in various claims and legal actions arising in the ordinary course of business. In the opinion of management, the ultimate disposition of these matters will not have a material adverse effect on our consolidated financial position or results of operations.

Item 7A. *Quantitative and Qualitative Disclosures About Market Risk*

Not applicable for a smaller reporting company.

Item 8. Financial Statements and Supplementary Data

The following Consolidated Financial Statements, and the related Notes thereto, of Safeguard Scientifics, Inc. and the Reports of Independent Registered Public Accounting Firm are filed as a part of this Form 10-K.

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Report of Independent Registered Public Accounting Firm

To the Shareholders and Board of Directors

Safeguard Scientifics, Inc.:

Opinion on Internal Control Over Financial Reporting

We have audited Safeguard Scientific, Inc. and subsidiaries' (the Company) internal control over financial reporting as of December 31, 2018, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission. In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2018, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of the Company as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive loss, changes in equity, and cash flows the years then ended and the related notes (collectively, the consolidated financial statements), and our report dated March 1, 2019 expressed an unqualified opinion on those consolidated financial statements.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control Over Financial Reporting (Item 9A.(b)). Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ KPMG LLP

Philadelphia, Pennsylvania

March 1, 2019

Report of Independent Registered Public Accounting Firm

To the Shareholders and Board of Directors

Safeguard Scientifics, Inc.:

Opinion on the Consolidated Financial Statements

We have audited the accompanying consolidated balance sheets of Safeguard Scientifics, Inc. and subsidiaries (the Company) as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive loss, changes in equity, and cash flows for each of the years then ended, and the related notes (collectively, the consolidated financial statements). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2018 and 2017, and the results of its operations and its cash flows for the years then ended, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2018, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission, and our report dated March 1, 2019 expressed an unqualified opinion on the effectiveness of the Company's internal control over financial reporting.

Basis for Opinion

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion

/s/ KPMG LLP

We have served as the Company's auditor since 1986.

Philadelphia, Pennsylvania

March 1, 2019

SAFEGUARD SCIENTIFICS, INC.
CONSOLIDATED BALANCE SHEETS
(In thousands, except per share data)

		As of December 31,	
		2018	2017
ASSETS			
Current Assets:			
Cash and cash equivalents	\$	7,703	\$ 20,751
Restricted cash		500	—
Marketable securities		37,955	4,452
Trading securities		—	3,761
Prepaid expenses and other current assets		2,669	4,644
Total current assets		48,827	33,608
Property and equipment, net		808	1,513
Ownership interests in and advances to partner companies		95,585	134,691
Long-term restricted cash equivalents		—	6,336
Other assets		517	316
Total Assets	\$	145,737	\$ 176,464
LIABILITIES AND EQUITY			
Current Liabilities:			
Accounts payable	\$	165	\$ 155
Accrued compensation and benefits		3,433	3,321
Accrued expenses and other current liabilities		2,182	1,851
Credit facility - current		22,100	—
Credit facility repayment feature		5,060	—
Convertible senior debentures		—	40,485
Total current liabilities		32,940	45,812
Other long-term liabilities		2,804	3,535
Credit facility - non-current		43,014	45,321
Total Liabilities		78,758	94,668
Commitments and contingencies (Note 12)			
Equity:			
Preferred stock, \$0.10 par value; 1,000 shares authorized		—	—
Common stock, \$0.10 par value; 83,333 shares authorized; 21,573 issued at December 31, 2018 and 2017, respectively		2,157	2,157
Additional paid-in capital		810,928	812,536
Treasury stock, at cost; 914 and 999 shares at December 31, 2018 and 2017, respectively		(15,001)	(17,308)
Accumulated deficit		(731,105)	(715,476)
Accumulated other comprehensive loss		—	(113)
Total Equity		66,979	81,796
Total Liabilities and Equity	\$	145,737	\$ 176,464

See Notes to Consolidated Financial Statements.

SAFEGUARD SCIENTIFICS, INC.
CONSOLIDATED STATEMENTS OF OPERATIONS
(In thousands, except per share data)

	Year Ended December 31,	
	2018	2017
General and administrative expense	\$ 16,871	\$ 17,131
Operating loss	(16,871)	(17,131)
Other loss, net	(5,158)	(339)
Interest income	2,806	3,876
Interest expense	(16,067)	(8,620)
Equity income (loss)	19,661	(66,358)
Net loss before income taxes	(15,629)	(88,572)
Income tax benefit (expense)	—	—
Net loss	<u>\$ (15,629)</u>	<u>\$ (88,572)</u>
Net loss per share:		
Basic	<u>\$ (0.76)</u>	<u>\$ (4.34)</u>
Diluted	<u>\$ (0.76)</u>	<u>\$ (4.34)</u>
Weighted average shares used in computing net loss per share:		
Basic	<u>20,544</u>	<u>20,430</u>
Diluted	<u>20,544</u>	<u>20,430</u>

See Notes to Consolidated Financial Statements.

SAFEGUARD SCIENTIFICS, INC.
CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS
(In thousands)

	<u>Year Ended December 31,</u>	
	<u>2018</u>	<u>2017</u>
Net loss	\$ (15,629)	\$ (88,572)
Other comprehensive income:		
Share of other comprehensive income of equity method investments	113	318
Total comprehensive loss	<u>\$ (15,516)</u>	<u>\$ (88,254)</u>

See Notes to Consolidated Financial Statements.

SAFEGUARD SCIENTIFICS, INC.
CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY
(In thousands)

	Total	Accumulated Deficit	Accumulated Other Comprehensive Loss	Common Stock		Additional Paid-In Capital	Treasury Stock	
				Shares	Amount		Shares	Amount
Balance — December 31, 2016	169,777	(626,904)	(431)	21,573	2,157	816,016	1,209	(21,061)
Net loss	(88,572)	(88,572)	—	—	—	—	—	—
Stock options exercised, net of tax withholdings	(1)	—	—	—	—	(97)	(6)	96
Issuance of restricted stock, net of tax withholdings	(38)	—	—	—	—	(3,695)	(204)	3,657
Stock-based compensation expense	1,138	—	—	—	—	1,138	—	—
Repurchase of convertible senior debentures	(826)	—	—	—	—	(826)	—	—
Other comprehensive income	318	—	318	—	—	—	—	—
Balance — December 31, 2017	81,796	(715,476)	(113)	21,573	2,157	812,536	999	(17,308)
Net loss	(15,629)	(15,629)	—	—	—	—	—	—
Stock options exercised, net of tax withholdings	—	—	—	—	—	(16)	—	16
Issuance of restricted stock, net of tax withholdings	(267)	—	—	—	—	(2,558)	(85)	2,291
Stock-based compensation expense	966	—	—	—	—	966	—	—
Other comprehensive income	113	—	113	—	—	—	—	—
Balance — December 31, 2018	<u>\$ 66,979</u>	<u>\$ (731,105)</u>	<u>\$ —</u>	<u>21,573</u>	<u>\$ 2,157</u>	<u>\$ 810,928</u>	<u>914</u>	<u>\$ (15,001)</u>

See Notes to Consolidated Financial Statements.

SAFEGUARD SCIENTIFICS, INC.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(In thousands)

	<u>Year Ended December 31,</u>	
	<u>2018</u>	<u>2017</u>
Cash Flows from Operating Activities:		
Net loss	\$ (15,629)	\$ (88,572)
Adjustments to reconcile to net cash used in operating activities:		
Depreciation	692	322
Amortization of debt discount	4,513	2,542
Equity (income) loss	(19,661)	66,358
Loss from increase in fair value of derivative	4,541	—
Gain from observable price changes	(1,415)	—
Other, net	2,032	339
Loss on sale of property and equipment	12	—
Stock-based compensation expense	966	1,138
Changes in assets and liabilities:		
Prepaid expenses and other current assets	(2,065)	(3,560)
Accounts payable, accrued expenses, and other	(21)	628
Net cash used in operating activities	<u>(26,035)</u>	<u>(20,805)</u>
Cash Flows from Investing Activities:		
Acquisitions of ownership interests in companies	(3,250)	(15,101)
Proceeds from sales of and distributions from companies	67,387	16,604
Advances and loans to companies	(13,104)	(22,867)
Repayment of advances and loans to companies	10,730	—
Purchase of marketable securities	(37,809)	—
Proceeds, from sales and maturities in securities	8,148	11,237
Proceeds from sales of property and equipment	1	—
Net cash provided by (used in) investing activities	<u>32,103</u>	<u>(10,127)</u>
Cash Flows from Financing Activities:		
Proceeds from credit facility	35,000	50,000
Issuance costs of credit facility	(2,252)	(5,696)
Repayments on credit facility	(16,433)	—
Repurchase of convertible senior debentures	(41,000)	(14,455)
Tax withholdings related to equity-based awards	(267)	(223)
Issuance of Company common stock, net	—	(1)
Net cash provided by (used in) financing activities	<u>(24,952)</u>	<u>29,625</u>
Net change in cash, cash equivalents and restricted cash equivalents	<u>(18,884)</u>	<u>(1,307)</u>
Cash, cash equivalents and restricted cash equivalents at beginning of period	<u>27,087</u>	<u>28,394</u>
Cash, cash equivalents and restricted cash equivalents at end of period	<u>\$ 8,203</u>	<u>\$ 27,087</u>

See Notes to Consolidated Financial Statements.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. General

Liquidity And Capital Resources

As of December 31, 2018, Safeguard ("the Company") had \$7.7 million of cash and cash equivalents and \$38.0 million of marketable securities for a total of \$45.7 million. As of December 31, 2018, the Company had \$68.6 million of debt outstanding due in May 2020.

In January 2018, Safeguard announced that, from that date forward, we will not deploy any capital into new partner company opportunities and will focus on supporting our existing partner companies and maximizing monetization opportunities to return value to shareholders. In that context, we have, are and will consider initiatives including, among others: the sale of individual partner companies, the sale of certain or all partner company interests in secondary market transactions, or a combination thereof, as well as other opportunities to maximize shareholder value. We anticipate returning value to shareholders after satisfying our debt obligations and working capital needs.

In connection with our change in strategy in January 2018, we implemented an initiative to reduce the operating costs of the Company. In April 2018, the Company announced additional management changes intended to further streamline the Company's organizational structure and further reduce its operating costs. In connection with the changes that the Company has implemented, the Company has incurred approximately \$2.8 million of severance payments to terminated employees and will pay an additional \$1.2 million in 2019.

In May 2017, the Company entered into a \$75.0 million secured, revolving credit facility ("Credit Facility") with HPS Investment Partners, LLC ("Lender"). In May 2018, the Company and Lender amended the Credit Facility ("Amended Credit Facility") to increase the principal amount of indebtedness available to be borrowed by the Company from \$75.0 million to \$100.0 million. As of December 31, 2018, the Company had \$68.6 million of principal outstanding on the Credit Facility due in May 2020. The Credit Facility requires the Company to maintain (i) a liquidity threshold of at least \$20 million of unrestricted cash; (ii) a minimum aggregate appraised value of ownership interests in its partner companies, plus unrestricted cash in excess of the liquidity threshold, of at least \$350 million less the aggregate amount of all prepayments of the Term Loan and all prepayments of the Revolving Loan made after December 30, 2018; and (iii) limit certain expenses (which shall exclude severance payments, interest expense, depreciation and stock-based compensation) incurred or paid to no more than \$11.5 million in any twelve-month period after the date of the amendment (or such shorter period as has elapsed since the date of the amendment). Additionally, the Company is restricted from repurchasing shares of its outstanding common stock and/or issuing dividends until such time as the Credit Facility is repaid in full. As of the date these consolidated financial statements were issued, the Company was in compliance with all of these covenants.

Repayment terms under the Credit Facility include a make-whole interest provision equal to the interest that would have been payable had the principal amount subject to repayment been outstanding through the maturity date. If the aggregated amount of the Company's qualified cash at any quarter end exceeds \$50.0 million, the Company will be required to prepay outstanding principal amounts, plus any applicable accrued and make-whole interest, in an amount equal to 100% of such excess. The Company anticipates exceeding the qualified cash threshold at March 31, 2019 and making the applicable required prepayment during the second quarter.

The Company funds its operations with cash and marketable securities on hand as well as proceeds from the sales of its interests in its partner companies. Due to the nature of the mergers and acquisitions market, and the developmental cycle of companies like the Company's partner companies, the Company's ability to generate specific amounts of liquidity from sales of its partner company interests in any given period of time cannot be assured. Accordingly, the forecasts which the Company utilizes for projecting future compliance with covenants related to its Credit Facility include significantly discounted probability-weighted proceeds from the sales of its interests in its partner companies. Based on these forecasts, management believes the Company will remain in compliance with all its debt covenants. Non-compliance with any of the covenants would constitute an event of default under the Credit Facility, and the Lender could choose to accelerate the maturity of the indebtedness. If the Lender chose not to provide a waiver and were to accelerate the maturity of the indebtedness, the Company would not have sufficient liquidity to repay the entire balance of its outstanding borrowings and other obligations under the Credit Facility.

In order for the Company to maintain compliance with these covenants, the Company's plan includes selling certain of its partner company interests in the ordinary course of its business, and limiting capital deployments to existing partner companies. Should the Company not be in compliance with any of its debt covenants and be unable to obtain waivers for such events of default, management would pursue one of a number of potential alternatives to satisfy the obligations, including completing an

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

equity offering or obtaining a new debt facility to refinance its existing debt. The Company believes that its cash, cash equivalents and marketable securities at December 31, 2018 will be sufficient to fund operations past one year from the issuance of these financial statements.

Significant Accounting Policies

Principles of Consolidation

The consolidated financial statements include the accounts of Safeguard and all of its subsidiaries in which a controlling financial interest is maintained. All intercompany accounts and transactions are eliminated in consolidation.

Principles of Accounting for Ownership Interests in Companies

The Company accounts for its interests in its partner companies using one of the following methods: Equity or Other. The accounting method applied is generally determined by the degree of the Company's influence over the entity, primarily determined by our voting interest in the entity.

In addition to holding voting and non-voting equity and debt securities, the Company also periodically makes advances to its partner companies in the form of promissory notes which are included in the Ownership interests in and advances to partner companies line item in the Consolidated Balance Sheets.

Equity Method. The Company accounts for partner companies whose results are not consolidated, but over which it exercises significant influence, under the equity method of accounting. Whether or not the Company exercises significant influence with respect to a partner company depends on an evaluation of several factors including, among others, representation of the Company on the partner company's board of directors and the Company's ownership level, which is generally a 20% to 50% interest in the voting securities of a partner company, including voting rights associated with the Company's holdings in common, preferred and other convertible instruments in the company. Under the equity method of accounting, the Company does not reflect a partner company's financial statements within the Company's Consolidated Financial Statements; however, the Company's share of the income or loss of such partner company is reflected in Equity income (loss) in the Consolidated Statements of Operations. The Company includes the carrying value of equity method partner companies in Ownership interests in and advances to partner companies on the Consolidated Balance Sheets. Any excess of the Company's cost over its underlying interest in the net assets of equity method partner companies that is allocated to intangible assets is amortized over the estimated useful lives of the related intangible assets. The Company reflects its share of the income or loss of the equity method partner companies on a one quarter lag. This reporting lag could result in a delay in recognition of the impact of changes in the business or operations of these partner companies.

When the Company's carrying value in an equity method partner company is reduced to zero, the Company records no further losses in its Consolidated Statements of Operations unless the Company has an outstanding guarantee obligation or has committed additional funding to such equity method partner company. When such equity method partner company subsequently reports income, the Company will not record its share of such income until it exceeds the amount of the Company's share of losses not previously recognized.

Other Method. We account for our equity interests in companies which are not accounted for under the equity method as equity securities without readily determinable fair values. We estimate the fair value of these securities based on our original cost less impairments, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or a similar investment of the same issuer. Under this method, our share of the income or losses of such companies is not included in our Consolidated Statements of Operations. We include the carrying value of these investments in Ownership interests in and advances to partner companies on the Consolidated Balance Sheets.

Accounting Estimates

The preparation of the Consolidated Financial Statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and judgments that affect amounts reported in the financial statements and accompanying notes. Actual results may differ from these estimates. These estimates include the evaluation of the recoverability of the Company's ownership interests in and advances to partner companies, the fair value of the credit facility repayment feature derivative, the current portion of the credit facility debt, the recoverability of deferred tax assets, stock-based compensation and commitments and contingencies. Management evaluates its estimates on an ongoing basis using historical experience and other factors, including the current economic environment, which management believes to be reasonable under the circumstances.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

Certain amounts recorded to reflect the Company's share of income or losses of partner companies accounted for under the equity method are based on unaudited results of operations of those companies and may require adjustments in the future when audits of these entities' financial statements are completed.

It is reasonably possible that the Company's accounting estimates with respect to the ultimate recoverability of the carrying value of the Company's ownership interests in and advances to partner companies could change in the near term and that the effect of such changes on the financial statements could be material. At December 31, 2018, the Company believes the carrying value of the Company's ownership interests in and advances to partner companies is not impaired, although there can be no assurance that the Company's future results will confirm this assessment, that a significant write-down or write-off will not be required in the future or that a significant loss will not be recorded in the future upon the sale of a company.

Cash and Cash Equivalents and Marketable Securities

The Company considers all highly liquid instruments with an original maturity of 90 days or less at the time of purchase to be cash equivalents. Cash and cash equivalents consist of deposits that are readily convertible into cash. The Company determines the appropriate classification of marketable securities at the time of purchase and reevaluates such designation as of each balance sheet date. Held-to-maturity securities are carried at amortized cost, which approximates fair value. Marketable securities consist of held-to-maturity securities, primarily consisting of government agency bonds, commercial paper and certificates of deposits. Marketable securities with a maturity date greater than one year from the balance sheet date are considered long-term. The Company has not experienced any significant losses on cash equivalents and does not believe it is exposed to any significant credit risk on cash and cash equivalents.

Restricted Cash and Cash Equivalents

Restricted cash equivalents in prior periods represented cash required to be set aside by a contractual agreement as a shareholder representative for 2018 or with a bank as collateral for a letter of credit for 2017. During the first quarter of 2018, the restriction lapsed in connection with the termination of the related letter of credit. The following table provides a reconciliation of cash, cash equivalents and restricted cash equivalents reported within the Consolidated Balance Sheets that sum to the total of the same such amounts shown in the Consolidated Statements of Cash Flows:

	December 31, 2018	December 31, 2017
	(In thousands)	
Cash and cash equivalents	\$ 7,703	\$ 20,751
Restricted cash	500	—
Long-term restricted cash equivalents	—	6,336
Total cash, cash equivalents, restricted cash and restricted cash equivalents	\$ 8,203	\$ 27,087

Financial Instruments

The Company's financial instruments (principally cash and cash equivalents, marketable securities, accounts receivable, notes receivable, accounts payable and accrued expenses) are carried at cost, which approximates fair value due to the short-term maturity of these instruments. The Company's long-term debt is carried at cost.

Property and Equipment

Property and equipment generally represents leasehold improvements and is amortized over the shorter of the estimated useful lives or the expected remaining term of the lease.

Valuation of Credit facility repayment feature

The fair value of the Credit facility repayment feature (a Level 3 measurement) is determined quarterly based on the present value of make-whole interest payments that are expected to be paid based on cash flow estimates that include a probability weighted estimate of exit transactions, estimated follow-on deployments, estimated quarterly operating cash flows and other cash commitments that would result in qualified cash exceeding the \$50 million threshold specified in the Credit facility.

Impairment of Ownership Interests In and Advances to Partner Companies

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

On a periodic basis, but no less frequently than quarterly, the Company evaluates the carrying value of its partner companies for possible impairment based on achievement of business plan objectives and milestones, the fair value of each partner company relative to its carrying value, the financial condition and prospects of the partner company and other relevant factors. The business plan objectives and milestones the Company considers include, among others, those related to financial performance, such as achievement of planned financial results or completion of capital raising activities, and those that are not primarily financial in nature, such as hiring of key employees or the establishment of strategic relationships. Management then determines whether there has been an other than temporary decline in the value of its ownership interest in the company. Impairment is measured as the amount by which the carrying value of an asset exceeds its fair value.

The fair value of privately held companies is generally determined based on the value at which independent third parties have invested or have committed to invest in these companies or based on other valuation methods, including discounted cash flows, valuation of comparable public companies and the valuation of acquisitions of similar companies.

Impairment charges related to equity method partner companies are included in Equity income (loss) in the Consolidated Statements of Operations. Impairment charges related to non-equity method partner companies and funds are included in Other income (loss), net in the Consolidated Statements of Operations.

The reduced cost basis of a previously impaired partner company accounted for using the Equity method are not written-up if circumstances suggest the value of the company has subsequently recovered.

Income Taxes

The Company accounts for income taxes under the asset and liability method whereby deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. The Company measures deferred tax assets and liabilities using enacted tax rates in effect for the year in which the temporary differences are expected to be recovered or settled. The Company recognizes the effect on deferred tax assets and liabilities of a change in tax rates in income in the period of the enactment date. The Company provides a valuation allowance against the net deferred tax asset for amounts which are not considered more likely than not to be realized.

Net Income (Loss) Per Share

The Company computes net income (loss) per share using the weighted average number of common shares outstanding during each year. The Company includes in diluted net income (loss) per share common stock equivalents (unless anti-dilutive) which would arise from the exercise of stock options and conversion of other convertible securities and adjusted, if applicable, for the effect on net income (loss) of such transactions. Diluted net income (loss) per share calculations adjust net income (loss) for the dilutive effect of common stock equivalents and convertible securities issued by the Company's consolidated or equity method partner companies.

Segment Information

The Company operates as one operating segment based upon the similar nature of its technology-driven partner companies, the functional alignment of the organizational structure, and the reports that are regularly reviewed by the chief operating decision maker for the purpose of assessing performance and allocating resources.

Recent Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2014-09, *Revenue from Contracts with Customers (Topic 606)* ("ASU 2014-09"). ASU 2014-09 and related subsequent amendments outline a single comprehensive model to use to account for revenue arising from contracts with customers and supersede most current revenue recognition guidance. For public companies, the guidance was effective for annual periods beginning after December 15, 2017 and any interim periods that fall within that reporting period. For nonpublic companies, the guidance is effective for annual periods beginning after December 15, 2018 and interim periods within annual periods beginning after December 15, 2019 with early adoption permitted. As the new standard will supersede most existing revenue guidance, it could impact revenue and cost recognition for partner companies. Any change in revenue or cost recognition for partner companies could affect the Company's recognition of its share of the results of its equity method partner companies. On July 20, 2017, the SEC staff observer at the FASB's Emerging Issues Task Force ("EITF") meeting announced that the SEC staff will not object if a private company equity method investee meeting the definition of a public business entity that otherwise would not meet the definition of a public business entity except for the inclusion of its financial statements or

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

financial information in another entity's filings with the SEC, uses private company adoption dates for the new revenue standard. As a result, the Company's private, calendar year partner companies will adopt the new revenue standard for the year ending December 31, 2019. The impact of adoption of the new revenue standard will be reflected in the Company's financial results for the interim and annual reporting periods beginning in 2020 on a one quarter-lag basis.

In February 2016, the FASB issued ASU 2016-02, *Leases*. The guidance in ASU 2016-02 requires that a lessee recognize in the statement of financial position a liability to make lease payments (the lease liability) and a right-of-use asset representing its right to use the underlying asset for the lease term. For leases with a term of 12 months or less, a lessee is permitted to make an accounting policy election by class of underlying asset not to recognize lease assets and lease liabilities. As with previous guidance, there continues to be a differentiation between finance leases and operating leases, however this distinction now primarily relates to differences in the manner of expense recognition over time and in the classification of lease payments in the statement of cash flows. Lease assets and liabilities arising from both finance and operating leases will be recognized in the statement of financial position. The transitional guidance for adopting the requirements of ASU 2016-02 calls for a modified retrospective approach that includes a number of optional practical expedients that entities may elect to apply. The guidance in ASU 2016-02 will become effective for the Company on January 1, 2019. The Company anticipates making the accounting policy election not to recognize lease assets and lease liabilities for leases with a term of 12 months or less. As of December 31, 2018, the Company's only material long-term lease was for its corporate headquarters in Radnor, PA under a lease expiring in 2026. The Company also has immaterial office equipment leases expiring at various dates through 2020. The Company is currently evaluating the impact that the adoption of ASU 2016-02 will have on its consolidated financial statements. Based on that evaluation, we expect to record as of January 1, 2019 a lease liability of approximately \$2.9 million, a right-to-use asset of \$2.2 million and to eliminate the deferred rent liability of \$0.7 million currently included in other long-term liabilities.

2. Ownership Interests in and Advances to Partner Companies

The following summarizes the carrying value of the Company's ownership interests in and advances to partner companies.

	December 31, 2018	December 31, 2017
	(In thousands)	
Equity Method:		
Partner companies	\$ 64,097	\$ 107,646
Private equity funds	392	443
	<u>64,489</u>	<u>108,089</u>
Other Method:		
Partner companies	15,260	2,762
Private equity funds	511	1,334
	<u>15,771</u>	<u>4,096</u>
Advances to partner companies	15,325	22,506
	<u>\$ 95,585</u>	<u>\$ 134,691</u>

During 2018, the Company recognized impairments of \$12.6 million related to Apprenda, Inc. CloudMine, Inc. and Brickwork, which are reflected in Equity income (loss) in the consolidated Statement of Operations. The impairments resulted from the discontinuance of operations or sale of the related entities.

In January 2018, Spongecell, Inc. merged into Flashtalking, a privately-held company. The Company received Flashtalking ordinary shares equal to approximately 10% of Flashtalking's issued share capital at the time of the closing. The Company's final number of Flashtalking shares are subject to customary indemnification agreements. The Company recorded its ownership interest in Flashtalking at \$11.2 million, which reflects its fair value at the time of closing. The Company recognized a gain of \$3.9 million on the transaction, which is included in Equity income (loss), and has an adjusted carrying value for its interest of approximately \$11.0 million at December 31, 2018.

In January 2018, the Company received \$0.6 million of proceeds from the sale of the assets of Aventura, Inc., a former partner company that ceased operations and was fully impaired in 2016. The Company recognized a gain of \$0.6 million, which is reflected in Equity income (loss) in the Consolidated Statements of Operations.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

In February 2018, Nexxt, Inc., formerly Beyond.com, repaid \$10.5 million of principal outstanding on a note received in connection with the Company's sale of its interest back to Nexxt for \$26.0 million in March 2017. In that transaction, the Company received \$15.5 million in cash and a three -year, \$10.5 million note for the balance due, which accrued interest at a rate of 9.5% per annum. Interest was payable annually and interest income was recorded as earned throughout the year. The \$10.5 million note was fully reserved and had a carrying value of zero as of December 31, 2017. The Company waived the interest accrued to date in connection with the early repayment of the principal balance. The receipt of \$10.5 million of cash in February 2018 resulted in a gain of \$9.5 million , net of the interest accrued to date, which is included in Equity income (loss) in the Consolidated Statements of Operations.

The Company obtained shares of Invitae in August 2017 when Invitae, a public company, acquired former partner company Good Start Genetics, Inc. The Company recognized a net gain on the transaction of \$4.3 million for the year ended December 31, 2017 and an additional gain on the transaction of \$1.1 million for the year ended December 31, 2018 as shares were released from escrow. During 2018, the Company sold an aggregate of 492,340 shares of Invitae Corporation ("Invitae") common stock on the open market for proceeds of \$3.7 million after transaction fees. There are an additional 45,989 shares of Invitae common stock that continue to be held in escrow at December 31, 2018.

In May 2018, Cask Data, Inc. sold substantially all of its assets to another entity. The Company received \$11.5 million in cash proceeds in connection with the transaction, excluding \$2.4 million of holdbacks and escrows that may be released on various dates on or before November 2019. The Company recognized a gain of \$4.2 million on the transaction, which was included in Equity income (loss) in the Consolidated Statements of Operations.

In July 2018, the Company sold 39.13% of its ownership position in MediaMath back to MediaMath for \$45.0 million . The Company also granted MediaMath an option to repurchase an additional 10.87% of the Company's ownership position in MediaMath for \$12.5 million within 180 days after the close of the initial transaction. The option has since been extended until September 30, 2019. The Company recognized a gain of \$45.0 million on the initial transaction, which was included in Equity income (loss) in the Consolidated Statements of Operations. The Company previously accounted for its ownership interest in MediaMath under the equity method of accounting. Immediately after the initial transaction, the Company discontinued utilizing the equity method of accounting for its remaining ownership interest in MediaMath. The Company's remaining ownership interest was recorded at its carrying value immediately prior to the July 2018 transaction. The carrying value will be adjusted for any observable price changes in the same or similar equity securities of MediaMath as those held by the Company.

In July 2018, the Company sold its interest in AdvantEdge Healthcare Solutions, Inc. in a secondary transaction for \$10.0 million , excluding an additional \$6.3 million that may be realized upon the achievement of certain valuation thresholds in connection with the future sale of Advantage Healthcare Solutions. The Company recognized a gain of \$5.5 million on the transaction, which was included in Equity income (loss) in the Consolidated Statements of Operations.

During 2017, the Company recognized impairments of \$16.0 million , including \$7.0 million related to Full Measure, Inc., \$3.6 million related to Spongecell, Inc., \$5.2 million related to Pneuron, Inc and \$0.2 million related to Aventura, which is reflected in Equity income (loss) in the Consolidated Statements of Operations. The impairments were based on the Company's decision not to continue to provide additional capital in the absence of significant additional capital raised from new investors, merger consideration received that was lower than our carrying value and ceasing operations of the underlying company.

Summarized Financial Information for Partner Companies

The Company discloses aggregate summarized statements of operations for any partner companies accounted for under the equity method that are deemed significant. The following table provides summarized financial information for partner companies accounted for under the equity method for the periods presented and has been compiled from respective partner company financial statements, reflect certain historical adjustments, and are reported on a one quarter lag. Results of operations of the partner companies are excluded for periods prior to their acquisition and subsequent to their disposition. Historical results are not adjusted when the Company exits or writes-off a partner company.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

	As of December 31,	
	2018	2017
	(In thousands)	
Balance Sheets:		
Current assets	\$ 168,659	\$ 381,810
Non-current assets	24,432	134,707
Total assets	\$ 193,091	\$ 516,517
Current liabilities	\$ 88,988	\$ 408,438
Non-current liabilities	109,924	120,672
Shareholders' equity	(5,821)	(12,593)
Total liabilities and shareholders' equity	\$ 193,091	\$ 516,517
Number of partner companies	19	25
	Year Ended December 31,	
	2018	2017
	(In thousands)	
Results of Operations:		
Revenue	\$ 283,009	\$ 378,080
Gross profit	\$ 181,571	\$ 251,298
Net loss	\$ (154,696)	\$ (187,121)

As of December 31, 2018, the Company's carrying value in equity method partner companies, in the aggregate, exceeded the Company's share of the net assets of such companies by approximately \$43.0 million. Of this excess, \$33.0 million was allocated to goodwill and \$10.0 million was allocated to intangible assets.

3. Acquisitions of Ownership Interests in Partner Companies

2018 Transactions

The Company funded an aggregate of \$0.7 million of term notes and \$1.6 million of convertible bridge loans to InfoBionic, Inc. The Company had previously deployed an aggregate of \$19.7 million in InfoBionic. InfoBionic is an emerging digital health company focused on creating patient monitoring solutions for chronic disease management with an initial market focus on cardiac arrhythmias. The Company accounts for its interest in InfoBionic under the equity method.

The Company deployed an additional \$1.0 million in meQuilibrium. The Company had previously deployed an aggregate of \$10.5 million in meQuilibrium. meQuilibrium is a digital coaching platform that delivers clinically validated and highly personalized resilience solutions to employers, health plans, wellness providers and consumers increasing engagement, productivity and performance, as well as improving outcomes in managing stress, health and well-being. The Company accounts for its interest in meQuilibrium under the equity method.

The Company funded an additional \$1.0 million of convertible bridge loans to Moxe Health Corporation. The Company had previously deployed \$4.5 million in Moxe Health. Moxe Health connects payers to their provider networks, facilitating real-time data exchange through its electronic integration platform. The Company accounts for its interest in Moxe Health under the equity method.

The Company funded an additional \$1.5 million in Zipnosis, Inc. The Company had previously deployed \$7.0 million in Zipnosis. Zipnosis provides health systems with a white-labeled, fully integrated virtual care platform. The Company accounts for its interest in Zipnosis under the equity method.

The Company deployed an aggregate of \$ 1.0 million of convertible bridge loans to CloudMine, Inc. The Company had previously deployed an aggregate of \$10.0 million in CloudMine. See Note 2 for discussion of the impairment of our interests in 2018. The Company had previously accounted for its interest in CloudMine under the equity method.

The Company funded an additional \$0.5 million in Aktana, Inc. The Company had previously deployed \$9.7 million in Aktana. Aktana leverages big data and machine learning to enable pharmaceutical brands to dynamically optimize their strategy and enhance sales execution. The Company accounts for its interest in Aktana under the equity method.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

The Company funded an additional \$1.4 million of convertible bridge loans to QuanticMind. The Company had previously deployed \$11.5 million in QuanticMind. QuanticMind delivers the most intelligent, scalable and fastest platform for maximizing digital marketing performance, including paid search and social, for enterprises. The Company accounts for its interest in QuanticMind under the equity method.

The Company deployed an aggregate of \$2.2 million of convertible bridge loans to Sonobi, Inc. The Company had previously deployed \$9.2 million in Sonobi. Sonobi is an advertising technology developer that designs advertising tools and solutions for the industry's leading media, publishers, brand advertisers, media agencies, DSPs, and media technology providers. The Company accounts for its interest in Sonobi under the equity method.

The Company funded an aggregate of \$1.0 million of convertible bridge loans to WebLinc, Inc. The Company had previously deployed an aggregate of \$14.0 million in WebLinc. WebLinc is an e-commerce platform and services provider for fast growing online retailers. The Company accounts for its interest in WebLinc under the equity method.

The Company deployed an additional \$0.3 million in Propeller. The Company had previously deployed an aggregate of \$14.0 million in Propeller. Propeller provides digital solutions to measurably improve respiratory health. The Company accounts for its interest in Propeller under the equity method. See Note 16 discussion of the sale of this partner company in 2019.

The Company funded an aggregate of \$0.4 million of convertible bridge loans to Cask Data, Inc. The Company had previously deployed an aggregate of \$13.0 million in Cask Data. Cask Data made building and running big data solutions on-premises or in the cloud easy with Cask Data Application Platform. In May 2018, Cask Data sold substantially all of its assets to another entity resulting in the gain discussed in Note 2. The Company had previously accounted for its interest in Cask Data under the equity method.

The Company funded an aggregate of \$2.2 million of convertible loans to NovaSom, Inc. The Company had previously deployed an aggregate of \$24.1 million in NovaSom. NovaSom is a medical device company focused on obstructive sleep apnea, specifically home testing with its FDA-cleared wireless device called AccuSom[®] home sleep test. The Company accounts for its interest in NovaSom under the equity method.

The Company funded an aggregate of \$0.5 million of convertible bridge loans to Spongecell, Inc. The Company had previously deployed an aggregate of \$18.6 million in Spongecell. In the first quarter of 2018, Spongecell merged into Flashtalking as discussed in Note 2. The Company previously accounted for its interest in Spongecell under the equity method.

The Company funded an aggregate of \$0.7 million of convertible bridge loans to Brickwork. The Company had previously deployed an aggregate of \$4.2 million in Brickwork. The Company accounts for its interest in Brickwork under the equity method. See Note 16 for discussion of the sale of this partner company in 2019.

2017 Transactions

The Company deployed \$1.0 million into Prognos. The Company had previously deployed an aggregate of \$11.6 million in Prognos. Prognos is a healthcare AI company that's striving to improve health by tracking and predicting disease earlier in partnership with Life Sciences brands, payers, and clinical diagnostics organizations. The Company accounts for its interest in Prognos under the equity method.

The Company deployed \$2.3 million into Syapse, Inc. The Company had previously deployed an aggregate of \$13.3 million in Syapse. Syapse is on a mission to deliver the best care for every cancer patient through precision medicine. Syapse's software platform, data sharing network, and industry partnerships enable healthcare providers to bring precision cancer care to every patient who needs it. The Company accounts for its interest in Syapse under the equity method.

The Company funded an aggregate of \$0.6 million of convertible bridge loans to Spongecell, Inc. The Company had previously deployed an aggregate of \$18.0 million in Spongecell. During 2018, Spongecell merged into Flashtalking. The Company accounted for its interest in Spongecell under the equity method.

The Company funded an aggregate of \$5.3 million of convertible bridge loans to InfoBionic, Inc. The Company had previously deployed an aggregate of \$14.5 million in InfoBionic. InfoBionic is an emerging digital health company focused on creating patient monitoring solutions for chronic disease management with an initial market focus on cardiac arrhythmias. The Company accounts for its interest in InfoBionic under the equity method.

The Company funded an aggregate of \$3.8 million of convertible bridge loans to Sonobi, Inc. The Company had previously deployed \$5.4 million in Sonobi. Sonobi is an advertising technology developer that creates data-driven tools and solutions to meet the evolving needs of demand- and sell-side organizations within the digital media marketplace. The Company accounts for its interest in Sonobi under the equity method.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

The Company funded an aggregate of \$2.0 million of convertible bridge loans to NovaSom, Inc. The Company had previously deployed an aggregate of \$22.1 million in NovaSom. NovaSom is a medical device company focused on obstructive sleep apnea, specifically home testing with its FDA-cleared wireless device called AccuSom[®] home sleep test. The Company accounts for its interest in NovaSom under the equity method.

The Company funded an aggregate of \$2.0 million of convertible bridge loans to Cask Data, Inc. The Company had previously deployed an aggregate of \$11.0 million in Cask Data. Cask Data was acquired by another entity in 2018.

The Company deployed an aggregate of \$4.5 million into CloudMine, Inc. The Company had previously deployed an aggregate of \$5.5 million in CloudMine. The Company fully impaired its investment in this partner company in 2018.

The Company deployed an aggregate of \$3.1 million into Full Measure Education, Inc. The Company had previously deployed an aggregate of \$8.6 million in Full Measure.

The Company deployed \$2.5 million into meQuilibrium. The Company had previously deployed an aggregate of \$8.0 million in meQuilibrium. meQuilibrium is a digital coaching platform that delivers clinically validated and highly personalized resilience solutions to employers, health plans, wellness providers and consumers increasing engagement, productivity and performance, as well as improving outcomes in managing stress, health and well-being. The Company accounts for its interest in meQuilibrium under the equity method.

The Company funded \$0.3 million of convertible bridge loans to Hoopla Software, Inc. The Company had previously deployed an aggregate of \$4.8 million in Hoopla Software. Hoopla Software provides cloud-based software that helps sales organizations inspire and motivate sales team performance. The Company accounts for its interest in Hoopla Software under the equity method.

The Company deployed \$1.8 million into QuanticMind, Inc. The Company had previously deployed an aggregate of \$9.7 million in QuanticMind. QuanticMind delivers the most intelligent, scalable and fastest platform for maximizing digital marketing performance, including paid search and social, for enterprises. The Company accounts for its interest in QuanticMind under the equity method.

The Company funded an aggregate of \$2.0 million of convertible bridge loans to WebLinc, Inc. The Company had previously deployed an aggregate of \$12.0 million in WebLinc. WebLinc is a commerce platform and services provider for fast growing online retailers. The Company accounts for its interest in WebLinc under the equity method.

The Company funded \$1.8 million of a convertible bridge loan to Good Start Genetics, Inc. The Company had previously deployed an aggregate of \$17.2 million in Good Start Genetics. Good Start Genetics was acquired by Invitae Corporation in August 2017.

The Company deployed \$2.1 million into Trice Medical, Inc. The Company had previously deployed an aggregate of \$8.0 million in Trice Medical. Trice Medical is a diagnostics company focused on micro invasive technologies. The Company accounts for its interest in Trice Medical under the equity method.

The Company deployed \$1.5 million into Aktana, Inc. The Company had previously deployed an aggregate of \$8.2 million in Aktana. Aktana leverages big data and machine learning to enable pharmaceutical brands to dynamically optimize their strategy and enhance sales execution. The Company accounts for its interest in Aktana under the equity method.

The Company funded \$0.2 million of a bridge loan to Lumesis, Inc. The Company had previously deployed an aggregate of \$6.2 million in Lumesis. Lumesis is a financial technology company focused on providing business efficiency, regulatory and data solutions to the municipal bond marketplace. The Company accounts for its interest in Lumesis under the equity method.

The Company funded \$0.3 million of a convertible bridge loan to Aventura, Inc. to fund wind-down activities. The Company had previously deployed an aggregate of \$6.2 million in Aventura. The adjusted carrying value of the Company's interest in Aventura was \$0.0 million at December 31, 2017. The Company accounted for its interest in Aventura under the equity method.

4. Fair Value Measurements

The Company categorizes its financial instruments into a three-level fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The fair value hierarchy gives the highest priority to quoted prices in active markets for identical assets (Level 1) and the lowest priority to unobservable inputs (Level 3). If the inputs used to measure fair value fall within different levels of the hierarchy, the category level is based on the lowest priority level input that is significant to the fair value measurement of the instrument. Financial assets recorded at fair value on the Company's Consolidated Balance Sheets are categorized as follows:

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

Level 1—Observable inputs that reflect quoted prices (unadjusted) for identical assets or liabilities in active markets.

Level 2—Include other inputs that are directly or indirectly observable in the marketplace.

Level 3—Unobservable inputs which are supported by little or no market activity.

The fair value hierarchy also requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value.

The following table provides the carrying value and fair value of certain financial assets and liabilities of the Company measured at fair value on a recurring basis as of December 31, 2018 and 2017 :

	Carrying Value	Fair Value Measurement at December 31, 2018		
		Level 1	Level 2	Level 3
		(in thousands)		
Cash and cash equivalents	\$ 7,703	\$ 7,703	\$ —	\$ —
Restricted cash equivalents	500	500	—	—
Marketable securities—held-to-maturity:				
Government agency bond	\$ 21,473	\$ 21,473	\$ —	\$ —
U.S. Treasury Bills	\$ 16,482	\$ 16,482	\$ —	\$ —
Total marketable securities	<u>\$ 37,955</u>	<u>\$ 37,955</u>	<u>\$ —</u>	<u>\$ —</u>
Credit facility repayment feature liability	<u>\$ 5,060</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 5,060</u>

	Carrying Value	Fair Value Measurement at December 31, 2017		
		Level 1	Level 2	Level 3
		(In thousands)		
Cash and cash equivalents	\$ 20,751	\$ 20,751	\$ —	\$ —
Long-term restricted cash equivalents	6,336	6,336	—	—
Trading securities	3,761	3,761	—	—
Marketable securities—held-to-maturity:				
Certificates of deposit	\$ 4,452	\$ 4,452	\$ —	\$ —

As of December 31, 2018, \$38.0 million of marketable securities had contractual maturities which were less than one year. Held-to-maturity securities are carried at amortized cost, which, due to the short-term maturity of these instruments, approximates fair value using quoted prices in active markets for identical assets or liabilities defined as Level 1 inputs under the fair value hierarchy. As of December 31, 2017, trading securities consist of shares of Invitae Corporation obtained in connection with Invitae's acquisition of Good Start Genetics, Inc. in August 2017. The trading securities were recorded at fair value based on Invitae's closing stock price at December 31, 2017. During 2018, the Company sold the shares of Invitae common stock for net proceeds of \$3.7 million. The Company recorded \$5.1 million for the fair value of the credit facility repayment feature liability as of December 31, 2018, an increase of \$4.5 million from its initial value established during the second quarter of 2018. The prepayment feature is an embedded derivative that is accounted for as a liability separate from the Amended Credit Facility. The liability is adjusted to the fair value of required projected future debt prepayments. The liability may change materially based upon management's probability weighted cash forecast at each balance sheet date. Management's cash forecasts are defined as Level 3 inputs under the fair value hierarchy.

5. Credit Facility and Convertible Debentures

Credit Facility

In May 2017, the Company entered into a \$75.0 million secured, revolving credit facility (“Credit Facility”) with HPS Investment Partners, LLC (“Lender”). At closing, the Company borrowed \$50.0 million, which resulted in net proceeds of \$44.3 million after closing fees to the Lender and other third parties. The Credit Facility has a three-year term with a scheduled maturity of May 11, 2020 and bears interest at a rate of either: (A) LIBOR plus 8.5% (subject to a LIBOR floor of 1%), payable on the last day of the one, two or three month interest period applicable to the LIBOR rate advance, or (B) 7.5% plus the greater of: 2%; the Federal Funds Rate plus 0.5%; LIBOR plus 1%; or the U.S. Prime Rate, payable monthly in arrears. The Credit

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

Facility is not amortized and interest payable under the Credit Facility will reflect at least \$50 million as being drawn and outstanding at all times during the term. The Credit Facility also included an unused line fee equal to 0.75% per annum of the average unused portion of the Credit Facility and a loan service fee, both paid quarterly. The Credit Facility is secured by all of the Company's assets in accordance with the terms of the Credit Facility.

In May 2018, the Company and Lender amended the Credit Facility ("Amended Credit Facility") to increase the principal amount of indebtedness available to be borrowed by the Company from \$75.0 million to \$100.0 million. The maturity date and interest rate remained unchanged. The Amended Credit Facility consists of a term loan in the principal amount of \$85.0 million, (the "Term Loan"), \$50.0 million of which was outstanding prior to entering into the amendment and \$35.0 million of which was drawn in connection with the consummation of the amendment, and a revolving loan in the principal amount of up to \$15.0 million (the "Revolving Loan"). The Company was able to borrow and repay under the Revolving Loan at any time until its expiration on December 30, 2018. Any amounts outstanding under the Revolving Loan on December 30, 2018 would be subject to the same repayment terms as amounts borrowed under the Term Loan. Repayment terms under the Credit Facility include a make-whole interest provision equal to the interest that would have been payable had the principal amount subject to repayment been outstanding through the maturity date of the Credit Facility. Under the Amended Credit Facility, if the aggregate amount of the Company's qualified cash at any quarter end date exceeds \$50.0 million, the Company will be required to prepay outstanding principal amounts under the Amended Credit Facility, plus any applicable interest and prepayment fees, in an amount equal to 100% of such excess. Based on this requirement, the Company has classified \$22.1 million as the current portion of the credit facility based on the Company's projected qualified cash at March 31, 2019.

Certain debt covenants were revised in connection with the Amended Credit Facility. The Amended Credit Facility requires the Company to (i) maintain a liquidity threshold of at least \$20 million of unrestricted cash; (ii) maintain a minimum aggregate appraised value of the Company's ownership interests in its partner companies, plus unrestricted cash in excess of the liquidity threshold, of at least \$350 million less the aggregate amount of all prepayments of the Term Loan and all prepayments of the Revolving Loan made after December 30, 2018; and (iii) limit deployments to only existing partner companies and such deployments may not exceed, when combined with deployments after January 1, 2018, \$40 million in the aggregate through the maturity date; and (iv) limit certain expenses (which shall exclude severance payments, interest expense, depreciation and stock-based compensation) incurred or paid to no more than \$11.5 million in any twelve-month period after the date of the amendment (or such shorter period as has elapsed since the date of the amendment). The Company is no longer required to maintain a specific net worth or any diversification requirements or concentration limits with respect to the Company's capital deployments to its partner companies. Additionally, under the Amended Credit Facility, the Company is restricted from repurchasing shares of its outstanding common stock and/or issuing dividends until such time as the Amended Credit Facility is repaid in full. As of the date these consolidated financial statements were issued, the Company was in compliance with all applicable covenants.

The \$35.0 million of additional principal that the Company borrowed with the consummation of the Amended Credit Facility resulted in net proceeds of \$32.7 million, after closing fees to the Lender and other third parties, that were used towards the repayment of \$41.0 million of principal outstanding on its 2018 Debentures, which the Company repaid in full on the maturity date of May 15, 2018. There were no convertible debentures outstanding as of December 31, 2018.

The Amended Credit Facility provides for customary events of default which include (subject in certain cases to customary grace and cure periods), among others, nonpayment of principal or interest; non-compliance with debt covenants; defaults in, or failure to pay, certain other indebtedness; the rendering of judgments to pay certain amounts of money; certain events of bankruptcy or insolvency. Generally, if an event of default occurs and is not cured within the time periods specified (if any), the Lender may declare the outstanding amount under the Amended Credit Facility to be immediately due and payable.

At December 31, 2018, the principal amount outstanding under the Amended Credit Facility was \$68.6 million, the unamortized discount and debt issuance costs were \$3.5 million and the net carrying value of the Credit Facility was \$65.1 million. The Company accounted for the amendment to the Credit Facility as an insubstantial modification and is amortizing the excess of the principal amount of the Amended Credit Facility over its carrying value over the remaining term as additional interest expense using a revised effective interest rate prospectively based on the revised cash flows. The Amended Credit Facility requires prepayments of outstanding principal amounts when the Company's qualified cash at any quarter end date exceeds \$50.0 million. This provision in the Amended Credit Facility is an embedded derivative that is accounted for separately. An initial fair value (liability) of \$0.5 million was recorded on the amendment date for the fair value of potential future prepayments based upon management's probability weighted cash forecast. This amount is also included in debt issuance costs and will be amortized over the remaining term of the Amended Credit Facility. The liability is being adjusted to fair value at each balance sheet date based upon management's updated probability weighted cash forecast. The Company recorded losses of \$4.5 million for the year ended December 31, 2018 which is included in Other loss on the Consolidated Statements of Operations. The increase in the fair value of the credit facility repayment feature liability is due to an increase in the probability of debt prepayments based on the Company's current cash position and expected uses of cash during 2019. The

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

Company recorded interest expense of \$14.6 million and \$4.4 million for the years ended December 31, 2018 and 2017, respectively, under the Amended Credit Facility. The effective interest rate on the Amended Credit Facility is 15.2% . The Company made interest payments of \$10.0 million and \$2.5 million for the years ended December 31, 2018 and 2017, respectively.

Convertible Senior Debentures

In November 2012, the Company issued \$55.0 million principal amount of its 5.25% convertible senior debentures which was due on May 15, 2018 (the “2018 Debentures”). In 2017, the Company repurchased on the open market, and retired, an aggregate of \$14.0 million face value of the 2018 Debentures at a cost of \$14.5 million , including transaction fees. In connection with the repurchase of these 2018 Debentures, the Company recognized a \$0.8 million reduction in equity which is included in Accumulated Paid-In Capital in the Consolidated Balance Sheet as of December 31, 2017 and a \$29 thousand loss on extinguishment of the liability which is included in Other loss in the Consolidated Statements of Operations for the year ended December 31, 2017. At December 31, 2017, the Company had \$41.0 million of outstanding 2018 Debentures which was repaid in full in May 2018.

Interest on the 2018 Debentures was payable semi-annually on May 15 and November 15. Holders of the 2018 Debentures had the right to convert their notes prior to November 15, 2017 at their option only under the following circumstances:

- during any calendar quarter commencing after the calendar quarter ending on December 31, 2012, if the last reported sale price of the common stock for at least 20 trading days during the period of 30 consecutive trading days ending on the last trading day of the immediately preceding calendar quarter is greater than or equal to 130% of the conversion price on each applicable trading day;
- during the five business day period after any five consecutive trading day period in which the trading price per \$1,000 principal amount of notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price of our common stock and the conversion rate on such trading day;
- if the notes have been called for redemption; or
- upon the occurrence of specified corporate events.

On or after November 15, 2017 until the close of business on the second business day immediately preceding the maturity date, holders would convert their notes at any time, regardless of whether any of the foregoing conditions had been met. Upon conversion, the Company will satisfy its conversion obligation by paying or delivering, as the case may be, cash, shares of our common stock or a combination of cash and shares of our common stock, at the Company’s election.

The conversion rate of the 2018 Debentures was 55.17 shares of common stock per \$1,000 principal amount of debentures, equivalent to a conversion price of approximately \$18.13 per share of common stock. The closing price of the Company’s common stock at December 31, 2017 was \$11.20 . Since their issuance in 2012, none of the 2018 Debentures have been converted to shares of common stock.

On or after November 15, 2016, the Company could redeem for cash any of the 2018 Debentures if the last reported sale price of the Company’s common stock exceeds 140% of the conversion price for at least 20 trading days during the period of 30 consecutive trading days ending on the trading day before the date that notice of redemption is given, including the last trading day of such period. Upon any redemption of the 2018 Debentures, the Company will pay a redemption price of 100% of their principal amount, plus accrued and unpaid interest to, but excluding, the date of redemption, and additional interest, if any.

The 2018 Debentures holders had the right to require the Company to repurchase the 2018 Debentures if the Company undergoes a fundamental change, which includes the sale of all or substantially all of the Company’s common stock or assets; liquidation; dissolution; a greater than 50% change in control; the delisting of the Company’s common stock from the New York Stock Exchange or the NASDAQ Global Market (or any of their respective successors); or a substantial change in the composition of the Company’s board of directors as defined in the governing agreement. Holders could have required that the Company repurchase for cash all or part of their debentures at a fundamental change repurchase price equal to 100% of the principal amount of the debentures to be repurchased, plus accrued and unpaid interest to, but excluding, the fundamental change repurchase date.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

Because the 2018 Debentures could be settled in cash or partially in cash upon conversion, the Company separately accounted for the liability and equity components. The carrying amount of the liability component was determined at the transaction date by measuring the fair value of a similar liability that does not have an associated equity component. The carrying amount of the equity component represented by the embedded conversion option was determined by deducting the fair value of the liability component from the initial proceeds of the 2018 Debentures as a whole. At December 31, 2017, the fair value of the \$41.0 million outstanding 2018 Debentures was approximately \$41.6 million, based on the midpoint of the bid and ask prices as of such date. At December 31, 2017, the carrying amount of the equity component was \$5.6 million, the principal amount of the liability component was \$41.0 million, the unamortized discount and debt issuance costs were \$0.5 million, and the net carrying value of the liability component was \$40.5 million. The Company amortized the excess of the face value of the 2018 Debentures over their carrying value over their term as additional interest expense using the effective interest method and recorded \$0.5 million and \$1.5 million of such expense for the years ended December 31, 2018 and 2017, respectively. The effective interest rate on the 2018 Debentures was 8.7%.

6. Equity

In July 2015, the Company's Board of Directors authorized the Company, from time to time and depending on market conditions, to repurchase up to \$25.0 million of the Company's outstanding common stock. During the years ended December 31, 2018 and 2017, the Company did not repurchase any shares under the existing authorization.

In February 2018, the Company's Board of Directors adopted a tax benefits preservation plan (the "Plan") designed to protect and preserve the Company's ability to utilize its net operating loss carryforwards ("NOLs") which was ratified by shareholders at its 2018 Annual Meeting of Shareholders. The purpose of the Plan is to preserve the Company's ability to use its NOLs, which would be substantially limited if the Company experienced an "ownership change" as defined under Section 382 of the Internal Revenue Code. In general, an ownership change would occur if the Company's shareholders who are treated as owning five percent or more of the outstanding shares of Safeguard for purposes of Section 382 ("five-percent shareholders") collectively increase their aggregate ownership in the Company's overall shares outstanding by more than 50 percentage points. Whether this change has occurred would be measured by comparing each five-percent shareholder's current ownership as of the measurement date to such shareholders' lowest ownership percentage during the three-year period preceding the measurement date. To protect the Company's NOLs from being limited or permanently lost under Section 382, the Plan is intended to deter any person or group from acquiring beneficial ownership of 4.99% or more of the Company's outstanding common stock without the approval of the Board, reducing the likelihood of an unintended ownership change. Under the Plan, the Company will issue one preferred stock purchase right (the "Rights") for each share of Safeguard's common stock held by shareholders of record on March 2, 2018. The issuance of the Rights will not be taxable to Safeguard or its shareholders and will not affect Safeguard's reported earnings per share. The Rights will trade with Safeguard's common shares and will expire no later than February 19, 2021. The Rights and the Plan may also expire on an earlier date upon the occurrence of other events, including a determination by the Company's Board that the Plan is no longer necessary or desirable for the preservation of the Company's tax attributes or that no tax attributes may be carried forward (with such expiration occurring as of the beginning of the applicable taxable year). There can be no assurance that the Plan will prevent the Company from experiencing an ownership change.

7. Stock-Based Compensation

Equity Compensation Plans

The 2014 Equity Compensation Plan has 4.1 million shares authorized for issuance. During 2018 and 2017, the Company issued zero stock-based awards outside of existing plans. To the extent allowable, service-based options are incentive stock options. Options granted under the plans are at prices equal to or greater than the fair market value at the date of grant. Upon exercise of stock options, the Company issues shares first from treasury stock, if available, then from authorized but unissued shares. At December 31, 2018, the Company had reserved 3.2 million shares of common stock for possible future issuance under its 2014 Equity Compensation Plan and other previously expired equity compensation plans.

Classification of Stock-Based Compensation Expense

Stock-based compensation expense was recognized in the Consolidated Statements of Operations as follows:

SAFEGUARD SCIENTIFICS, INC.
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	Year Ended December 31,	
	2018	2017
	(In thousands)	
General and administrative expense	\$ 966	\$ 1,138
	\$ 966	\$ 1,138

At December 31, 2018, the Company had outstanding options that vest based on two different types of vesting schedules:

- 1) performance-based; and
- 2) service-based.

Performance-based awards entitle participants to vest in a number of awards determined by achievement by the Company of target capital returns based on net cash proceeds received by the Company upon the sale, merger or other exit transaction of certain identified partner companies. Vesting may occur, if at all, once per year. The requisite service periods for the performance-based awards are based on the Company's estimate of when the performance conditions will be met. Compensation expense is recognized for performance-based awards for which the performance condition is considered probable of achievement. Compensation expense is recognized over the requisite service periods using the straight-line method but is accelerated if capital return targets are achieved earlier than estimated. No performance-based options were issued during the years ended December 31, 2018 or 2017. During the years ended December 31, 2018 and 2017, 1 thousand and 1 thousand performance-based options vested each year. During the years ended December 31, 2018 and 2017, respectively, 76 thousand and 8 thousand performance-based options were canceled or forfeited. The Company recorded a reduction of compensation expense related to performance-based options of \$0.7 million and \$0.2 million for the years ended December 31, 2018 and 2017 respectively. The maximum number of unvested options at December 31, 2018 attainable under these grants was 258 thousand shares.

Service-based awards generally vest over four years after the date of grant and expire eight years after the date of grant. Compensation expense is recognized over the requisite service period using the straight-line method. The requisite service period for service-based awards is the period over which the award vests. During the years ended December 31, 2018 and 2017, respectively, the Company issued zero thousand and 8 thousand service-based options to employees. During the years ended December 31, 2018 and 2017, respectively, 17 thousand and 80 thousand service-based options were canceled or forfeited. The Company recorded compensation expense related to these options of \$0.0 million and \$0.1 million during the year ended December 31, 2018 and 2017, respectively.

The fair value of the Company's option awards to employees was estimated at the date of grant using the Black-Scholes option-pricing model. The risk-free rate is based on the U.S. Treasury yield curve in effect at the end of the quarter in which the grant occurred. The expected term of stock options granted was estimated using the historical exercise behavior of employees. Expected volatility was based on historical volatility measured using weekly price observations of the Company's common stock for a period equal to the stock option's expected term. There were no options granted during 2018. Assumptions used in the valuation of options granted in 2017 were as follows:

	Year Ended December 31,
	2017
Service-Based Options	
Dividend yield	0%
Expected volatility	22%
Average expected option life	5 years
Risk-free interest rate	2.1%

The weighted-average grant date fair value of options issued by the Company during the year ended December 31, 2017 was \$2.36 per share.

SAFEGUARD SCIENTIFICS, INC.
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Option activity of the Company is summarized below:

	Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Life	Aggregate Intrinsic Value
	(In thousands)		(In years)	(In thousands)
Outstanding at December 31, 2016	678	14.90		
Options granted	8	11.33		
Options exercised	(29)	10.16		
Options canceled/forfeited	(88)	17.20		
Outstanding at December 31, 2017	569	14.74		
Options granted	—	—		
Options exercised	(15)	12.29		
Options canceled/forfeited	(144)	15.21		
Outstanding at December 31, 2018	410	14.66	2.39	\$ —
Options exercisable at December 31, 2018	143	16.18	1.63	—
Shares available for future grant	2,063			

The total intrinsic value of options exercised for the years ended December 31, 2018 was immaterial. The total intrinsic value of options exercised for the years ended December 31, 2017 was \$0.1 million .

At December 31, 2018 , total unrecognized compensation cost related to non-vested service-based options was immaterial. At December 31, 2018 , total unrecognized compensation cost related to non-vested performance-based options was immaterial.

Performance-based stock units vest based on achievement by the Company of target capital returns based on net cash proceeds received by the Company on the sale, merger or other exit transaction of certain identified partner companies, as described above related to performance-based awards. Performance-based stock units represent the right to receive shares of the Company's common stock, on a one-for-one basis. The Company did not issue any performance-based units during the years ended December 31, 2018 or 2017. During the years ended December 31, 2018 and 2017, 1 thousand performance-based stock units vested each year. During the years ended December 31, 2018 and 2017, respectively, 117 thousand and 6 thousand performance-based stock units were canceled or forfeited. Under the terms of the 2016 and 2015 performance-based awards, once performance-based stock units are fully vested, participants are entitled to receive cash payments based on their initial performance grant values as target capital returns described above are exceeded. At December 31, 2018 , the liability associated with such potential cash payments was \$0.0 million .

During the years ended December 31, 2018 and 2017 , respectively, the Company issued 48 thousand and 163 thousand restricted shares to employees and directors. Restricted shares generally vest over a period of approximately two to four years, or are vested at issuance for directors 65 or older. During the years ended December 31, 2018 and 2017, respectively, 44 thousand and 3 thousand restricted shares were canceled or forfeited.

During the years ended December 31, 2018 and 2017 , respectively, the Company issued 6 thousand , and 54 thousand restricted stock or deferred stock units to non-employee directors for annual service grants or fees earned during the preceding quarter. Deferred stock units issued to directors in lieu of directors fees are 100% vested at the grant date; matching deferred stock units equal to 25% of directors' fees deferred vest one year following the grant date or, if earlier, upon reaching age 65. Deferred stock units are payable in stock on a one-for-one basis. Payments related to the deferred stock units are generally distributable following termination of service, death or permanent disability.

During the year ended December 31, 2017 , the Company granted 22 thousand shares to members of its advisory board. The advisory board was disbanded in February 2018. The Company recorded compensation expense of \$0.3 million in 2017 related to these awards.

Total compensation expense for deferred stock units, performance-based stock units and restricted stock was \$1.0 million \$1.3 million , for the years ended December 31, 2018 and 2017 , respectively. Unrecognized compensation expense related to deferred stock units, performance stock units and restricted stock at December 31, 2018 was \$2.4 million . The total fair value of deferred stock units, performance stock units and restricted stock vested during the years ended December 31, 2018 and 2017 was \$1.6 million and \$1.6 million , respectively.

Deferred stock unit, performance-based stock unit and restricted stock activity are summarized below:

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

	<u>Shares</u>		<u>Weighted Average Grant Date Fair Value</u>
	<u>(In thousands)</u>		
Unvested at December 31, 2016	933	\$	14.79
Granted	217		11.43
Vested	(135)		13.75
Forfeited	(10)		14.38
Unvested at December 31, 2017	1,005		14.21
Granted	54		9.47
Vested	(121)		12.87
Forfeited	(161)		14.21
Unvested at December 31, 2018	777		14.08

8. Employee Benefit Plan

The Company maintains a qualified 401(K) retirement plan for eligible employees. The Plan's matching formula is 100% of the first 5% of participants' qualified compensation. Compensation expense related to our matching contributions to the plan for the years ended December 31, 2018 and 2017, were \$0.2 million and \$0.4 million, respectively.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

9. Income Taxes

The federal and state provision (benefit) for income taxes was \$0.0 million for the years ended December 31, 2018 and 2017 .

The total income tax provision (benefit) differed from the amounts computed by applying the U.S. federal income tax rate of 21% and 35.0% for the years ended December 31, 2018 and 2017, respectively, to net loss before income taxes as a result of the following:

	Year Ended December 31,	
	2018	2017
Statutory tax (benefit) expense	(21.0)%	(35.0)%
Increase (decrease) in taxes resulting from:		
Stock-based compensation	—	—
Nondeductible expenses	1.5	0.2
Tax Cuts and Jobs Act impact	—	93.2
Valuation allowance	19.5	(58.4)
	<u>0.0 %</u>	<u>0.0 %</u>

The tax effects of temporary differences that gave rise to significant portions of the deferred tax assets were as follows:

	As of December 31,	
	2018	2017
	(In thousands)	
Deferred tax asset:		
Carrying values of partner companies and other holdings	\$ 60,951	\$ 69,751
Tax loss and credit carryforwards	62,901	58,138
Disallowed interest carryforwards	3,831	—
Credit facility repayment feature	1,312	—
Accrued expenses	675	766
Stock-based compensation	550	814
Other	1,034	967
	<u>131,254</u>	<u>130,436</u>
Valuation allowance	(131,254)	(130,436)
Net deferred tax asset	<u>\$ —</u>	<u>\$ —</u>

As of December 31, 2018 , the Company and its subsidiaries consolidated for tax purposes had federal net operating and capital loss carryforwards of approximately \$299.5 million , of which \$17.1 million have an indefinite life. These carryforwards expire as follows:

	Total
	(In thousands)
2019	\$ —
2020	—
2021	3,728
2022	48,848
2023 and thereafter	229,867
	<u>\$ 282,443</u>

In December 2017, the U.S. government enacted comprehensive tax legislation commonly referred to as the Tax Cuts and Jobs Act (the "Tax Act"). The Tax Act makes broad and complex changes to the U.S. tax code, including, but not limited to: (i) reducing the U.S. federal corporate tax rate from 35 percent to 21 percent; (ii) eliminating the corporate alternative minimum tax (AMT) and changing how existing AMT credits can be realized; (iii) creating a new limitation on deductible interest expense; and (iv) changing rules related to uses and limitations of net operating carryforwards created in tax years beginning

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

after December 31, 2017. The most significant impact on the Company's consolidated financial statements was a reduction of approximately \$82.5 million in deferred tax assets which is offset by changes to the Company's valuation allowance.

In assessing the recoverability of deferred tax assets, the Company considers whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. The Company has determined that it is more likely than not that certain future tax benefits may not be realized as a result of current and future income. Accordingly, a valuation allowance has been recorded against substantially all of the Company's deferred tax assets.

The Company recognizes in its Consolidated Financial Statements the impact of a tax position if that position is more likely than not to be sustained upon examination, based on the technical merits of the position. All uncertain tax positions relate to unrecognized tax benefits that would impact the effective tax rate when recognized.

The Company does not expect any material increase or decrease in its income tax expense, in the next twelve months, related to examinations or changes in uncertain tax positions.

There were no changes in the Company's uncertain tax positions for the years ended December 31, 2018 and 2017.

The Company files income tax returns in the U.S. federal jurisdiction, and various state jurisdictions. Tax years 2015 and forward remain open for examination for federal tax purposes and the Company's more significant state tax jurisdictions. To the extent utilized in future years' tax returns, net operating loss carryforwards at December 31, 2018 will remain subject to examination until the respective tax year is closed. The Company recognizes penalties and interest accrued related to income tax liabilities in income tax benefit (expense) in the Consolidated Statements of Operations.

10. Net Loss Per Share

The calculations of net loss per share were:

	Year Ended December 31,	
	2018	2017
	(In thousands, except per share data)	
Basic:		
Net loss	\$ (15,629)	\$ (88,572)
Weighted average common shares outstanding	20,544	20,430
Net loss per share	\$ (0.76)	\$ (4.34)
Diluted:		
Net loss	\$ (15,629)	\$ (88,572)
Weighted average common shares outstanding	20,544	20,430
Net loss per share	\$ (0.76)	\$ (4.34)

Basic and diluted average common shares outstanding for purposes of computing net income (loss) per share includes outstanding common shares and vested deferred stock units (DSUs).

If a consolidated or equity method partner company has dilutive stock options, unvested restricted stock, DSUs, or warrants, diluted net income (loss) per share is computed by first deducting from net income (loss) the income attributable to the potential exercise of the dilutive securities of the partner company from net income (loss). Any impact is shown as an adjustment to net income (loss) for purposes of calculating diluted net income (loss) per share.

Diluted loss per share for the years ended December 31, 2018 and 2017 do not reflect the following potential shares of common stock that would have an anti-dilutive effect or have unsatisfied performance or market conditions:

- At December 31, 2018 and 2017, options to purchase 0.4 million, and 0.6 million shares of common stock, respectively, at prices ranging from \$9.83 to \$19.95 per share, and \$9.83 to \$19.95 per share per share, respectively, were excluded from the calculation.
- At December 31, 2018 and 2017, unvested restricted stock, performance-based stock units and DSUs convertible into 0.8 million million and 1.0 million shares of stock, respectively, were excluded from the calculations.
- For the years ended December 31, 2018 and 2017, 0.8 million and 2.3 million shares of common stock, respectively, representing the effect of assumed conversion of the 2018 Debentures were excluded from the calculations.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

11. Related Party Transactions

In May 2001, the Company entered into a \$26.5 million loan agreement with Warren V. Musser, a former Chairman and Chief Executive Officer of the Company. Through December 31, 2018, the Company recognized impairment charges against the loan of \$15.7 million. Since 2001 and through December 31, 2018, the Company has received a total of \$17.1 million in payments on the loan. The carrying value of the loan at December 31, 2018 was zero. The Company did not receive any payments on this loan agreement in the years ended December 31, 2018 or 2017.

In the normal course of business, the Company's officers and employees hold board positions with partner and other companies in which the Company has a direct or indirect ownership interest.

12. Commitments and Contingencies

The Company and its partner companies are involved in various claims and legal actions arising in the ordinary course of business. In the current opinion of the Company, the ultimate disposition of these matters will not have a material adverse effect on the Company's consolidated financial position or results of operations, however, no assurance can be given as to the outcome of these actions, and one or more adverse rulings could have a material adverse effect on the Company's consolidated financial position and results of operations or that of its partner companies. The Company records costs associated with legal fees as such services are rendered.

The Company leases its corporate headquarters under a lease expiring in 2026 and office equipment under leases expiring at various dates to 2020. Total rental expense under operating leases was \$0.6 million and \$0.5 million for the years ended December 31, 2018 and 2017, respectively. At December 31, 2018, future minimum lease payments under non-cancelable operating leases with initial or remaining terms of one year or more are as follows:

	<u>Total</u>
	<u>(In thousands)</u>
2019	\$ 605
2020	603
2021	598
2022	602
2023 and thereafter	2,046
	<u>\$ 4,454</u>

The Company had outstanding guarantees of \$3.8 million at December 31, 2018 which related to one of the Company's private equity holdings.

The Company is required to return a portion or all the distributions it received as a general partner of a private equity fund for further distribution to such fund's limited partners ("clawback"). The Company's ownership in the fund is 19%. The clawback liability is joint and several, such that the Company may be required to fund the clawback for other general partners should they default. The Company was notified by the fund's manager that the fund is being dissolved and \$1.0 million of the Company's clawback liability was paid in the first quarter of 2017. The maximum additional clawback liability is \$0.3 million which is reflected in Other long-term liabilities on the Consolidated Balance Sheet at December 31, 2018.

In October 2001, the Company entered into an agreement with a former Chairman and Chief Executive Officer of the Company, to provide for annual payments of \$0.65 million per year and certain health care and other benefits for life. The related current liability of \$0.8 million is included in Accrued expenses and other current liabilities and the long-term portion of \$1.3 million is included in Other long-term liabilities on the Consolidated Balance Sheet at December 31, 2018.

In January 2018, the Company announced a change in strategy and implemented an initiative to generate annual cost savings. The Company has incurred approximately \$3.9 million of severance costs to terminated employees, of which \$1.2 million remains to be paid during 2019. The Company also has agreements with certain employees that provide for severance payments to the employee in the event the employee is terminated without cause or an employee terminates his employment for "good reason." The maximum aggregate exposure under severance agreements for remaining employees is approximately \$4.8 million at December 31, 2018.

In June 2011, the Company's former partner company, Advanced BioHealing, Inc. ("ABH") was acquired by Shire plc ("Shire"). Prior to the expiration of the escrow period in March 2012, Shire filed a claim against all amounts held in escrow

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

related to the sale based principally upon a United States Department of Justice (“DOJ”) false claims act investigation relating to ABH (the “Investigation”). In connection with the Investigation, in July 2015 the Company received a Civil Investigation Demand-Documentary Material (“CID”) from the DOJ regarding ABH and Safeguard’s relationship with ABH. Pursuant to the CID, the Company provided the requested materials and information. To the Company’s knowledge, the CID was related to multiple qui tam (“whistleblower”) actions, one of which was filed in 2014 by an ex-employee of ABH that named the Company and one of the Company’s employees along with other entities and individuals as defendants. At this time, the DOJ has declined to pursue the qui tam action as it relates to the Company and such Company employee. In addition, in connection with the above matters, the Company and other former equity holders in ABH entered into a settlement and release with Shire, which resulted in the release to Shire of all amounts held in escrow related to the sale of ABH.

13. Supplemental Cash Flow Information

During the years ended December 31, 2018 and 2017, the Company converted \$12.4 million and \$10.8 million, respectively, of advances to partner companies into ownership interests in partner companies. Cash paid for interest for the years ended December 31, 2018 and 2017 was \$11.1 million and \$5.0 million, respectively. Cash paid for taxes in each of the years ended December 31, 2018 and 2017 was \$0.0 million.

14. Segment Reporting

The Company operates as one operating segment based upon the similar nature of its technology-driven partner companies, the functional alignment of the organizational structure, and the reports that are regularly reviewed by the chief operating decision maker for the purpose of assessing performance and allocating resources.

As of December 31, 2018, the Company held interests in 21 non-consolidated partner companies. The Company’s active partner companies as of December 31, 2018 were as follows for the years ended December 31, 2018, and 2017:

Partner Company	Safeguard Primary Ownership as of December 31,		Accounting Method
	2018	2017	
Aktana, Inc.	18.9%	24.5%	Equity
Brickwork ***	20.3%	20.3%	Equity
Clutch Holdings, Inc.	41.2%	42.7%	Equity
Flashtalking, Inc.*	10.1%	N/A	Other
Hoopla Software, Inc.	25.5%	25.5%	Equity
InfoBionic, Inc.	25.4%	39.5%	Equity
Lumesis, Inc.	43.7%	43.8%	Equity
MediaMath, Inc.**	13.4%	20.5%	Other
meQuilibrium	33.1%	36.2%	Equity
Moxe Health Corporation	32.4%	32.4%	Equity
NovaSom, Inc.	31.7%	31.7%	Equity
Prognos Health Inc.	28.7%	28.7%	Equity
Propeller ***	19.5%	24.0%	Equity
QuanticMind, Inc.	24.2%	24.7%	Equity
Sonobi, Inc.	21.6%	21.6%	Equity
Syapse, Inc.	20.0%	20.1%	Equity
T-REX Group, Inc.	21.1%	21.1%	Equity
Transactis, Inc.	23.7%	23.8%	Equity
Trice Medical, Inc.	17.4%	24.8%	Equity
WebLinc, Inc.	38.5%	38.0%	Equity
Zipnosis, Inc.	34.7%	25.4%	Equity

* Spongecell, Inc. merged into Flashtalking in January 2018.

** The Company sold 39.1% of its ownership interest back to MediaMath Inc. for \$45 million of proceeds in July 2018.

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

*** The Company's ownership interests in Brickwork and Propeller Health were disposed of, in separate transactions, in January 2019. As of December 31, 2018 and 2017, all of the Company's assets were located in the United States.

SAFEGUARD SCIENTIFICS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – (Continued)

15. Selected Quarterly Financial Information (Unaudited)

	Three Months Ended			
	March 31	June 30	September 30	December 31
	(In thousands, except per share data)			
2018:				
General and administrative expense	\$ 5,589	\$ 5,148	\$ 3,516	\$ 2,618
Operating loss	(5,589)	(5,148)	(3,516)	(2,618)
Other income (loss), net	(1,435)	(2,452)	(1,078)	(193)
Interest income	798	666	718	624
Interest expense	(2,690)	(3,422)	(3,310)	(6,645)
Equity income (loss)	2,746	(14,540)	39,246	(7,791)
Net loss before income taxes	(6,170)	(24,896)	32,060	(16,623)
Income tax benefit (expense)	—	—	—	—
Net loss	\$ (6,170)	\$ (24,896)	\$ 32,060	\$ (16,623)
Net loss per share (a)				
Basic	\$ (0.30)	\$ (1.21)	\$ 1.56	\$ (0.81)
Diluted	\$ (0.30)	\$ (1.21)	\$ 1.56	\$ (0.81)
2017:				
General and administrative expense	\$ 4,947	\$ 4,486	\$ 3,758	\$ 3,940
Operating loss	(4,947)	(4,486)	(3,758)	(3,940)
Other income (loss), net	249	(89)	(379)	(120)
Interest income	801	1,087	1,004	984
Interest expense	(1,198)	(2,112)	(2,643)	(2,667)
Equity income (loss)	(17,002)	(23,497)	(12,874)	(12,985)
Net income (loss) before income taxes	(22,097)	(29,097)	(18,650)	(18,728)
Income tax benefit (expense)	—	—	—	—
Net income (loss)	\$ (22,097)	\$ (29,097)	\$ (18,650)	\$ (18,728)
Net income (loss) per share (a)				
Basic	\$ (1.08)	\$ (1.43)	\$ (0.91)	\$ (0.91)
Diluted	\$ (1.08)	\$ (1.43)	\$ (0.91)	\$ (0.91)

(a) Per share amounts for the quarters have each been calculated separately. Accordingly, quarterly amounts may not add to the annual amounts because of differences in the average common shares outstanding during each period. Additionally, in regard to diluted per share amounts only, quarterly amounts may not add to the annual amounts because of the inclusion of the effect of potentially dilutive securities only in the periods in which such effect would have been dilutive, and because of the adjustments to net income (loss) for the dilutive effect of partner company common stock equivalents and convertible securities.

16. Subsequent Events

In January 2019, Brickwork was acquired in an all stock transaction resulting in no gain or loss. The Company received a preferred equity interest in the acquiror and accounts for this interest as an equity interest without a readily determinable fair value.

In January 2019, Propeller was acquired for cash. The Company received approximately \$41.5 million in cash.

Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

(a) Evaluation of Disclosure Controls and Procedures

We maintain disclosure controls and procedures, as such term is defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934 (the “Exchange Act”), that are designed to provide reasonable assurance that the information required to be disclosed by us in reports filed under the Exchange Act is (i) recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms and (ii) accumulated and communicated to our management, including the Principal Executive Officer and Principal Financial Officer, as appropriate to allow timely decisions regarding disclosure. A controls system cannot provide absolute assurance that the objectives of the controls system are met, and no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, within a company have been detected. Our management, with the participation of our Principal Executive Officer and Principal Financial Officer, evaluated the effectiveness of our disclosure controls and procedures as of December 31, 2018. Based on that evaluation, the Principal Executive Officer and Principal Financial Officer concluded that our disclosure controls and procedures as of December 31, 2018 are functioning effectively.

(b) Management’s Report on Internal Control Over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting. Internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. Our internal control over financial reporting includes those policies and procedures that pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of our assets; provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that our receipts and expenditures are being made only in accordance with authorizations of our management and directors; and provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of our assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Management assessed the effectiveness of the Company’s internal control over financial reporting as of December 31, 2018. In making this assessment, management used the framework established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). As a result of this assessment and based on the criteria in the COSO framework, management has concluded that, as of December 31, 2018, the Company’s internal control over financial reporting was effective.

Our independent registered public accounting firm, KPMG LLP, has audited the effectiveness of our internal control over financial reporting as of December 31, 2018. Their opinion on the effectiveness of our internal control over financial reporting and their opinion on our Consolidated Financial Statements are included in Item 8 in this Form 10-K.

(c) Change in Internal Control over Financial Reporting

No change in our internal control over financial reporting occurred during our most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Item 9B. Other Information

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

Incorporated by reference to the portions of our Definitive Proxy Statement entitled “Election of Directors,” “Corporate Governance and Board Matters” and “Section 16(a) Beneficial Ownership Reporting Compliance.” Information about our Executive Officers is included in Annex to Part I above.

Item 11. Executive Compensation

Incorporated by reference to the portions of our Definitive Proxy Statement entitled “Compensation Discussion and Analysis,” “Compensation Committee Report” and “Executive Compensation.”

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters - to be updated

Security ownership of certain beneficial owners is incorporated by reference to the portion of our Definitive Proxy Statement entitled “Stock Ownership of Certain Beneficial Owners, Directors and Officers.”

SECURITIES AUTHORIZED FOR ISSUANCE UNDER EQUITY COMPENSATION PLANS

Our equity compensation plans provide a broad-based program designed to attract and retain talent while creating alignment with the long-term interests of our shareholders. Employees at all levels participate in our equity compensation plans. In addition, members of our Board receive equity grants for their service on our Board.

Our 2001 Associates Equity Compensation Plan (“2001 Plan”) provided for the grant of nonqualified stock options, stock appreciation rights, restricted stock, performance units, and other stock-based awards to employees, consultants or advisors of Safeguard and its subsidiaries, provided that no grants could be made under this plan to executive officers or directors of Safeguard. Under the NYSE rules that were in effect at the time this plan was adopted in 2001, shareholder approval of the plan was not required. Except for the persons eligible to participate in the 2001 Plan and the inability to grant incentive stock options under the 2001 Plan, the terms of the 2001 Plan are substantially the same as the other equity compensation plans approved by our shareholders (which are described herein or have been described in previous filings).

A total of 900,000 shares of our common stock were authorized for issuance under the 2001 Plan. At December 31, 2018, 105,556 shares were subject to outstanding options and performance stock units (“PSUs”), no shares were available for future issuance, and 585,025 shares had been issued under the 2001 Plan. The 2001 Plan expired by its terms on February 21, 2011. Equity grants previously awarded under this plan that remained outstanding at December 31, 2018, continue to be administered in accordance with the terms of the grants. Any portions of outstanding equity grants under the 2001 Plan that expire or become unexercisable for any reason shall be canceled and shall be unavailable for future issuance.

During 2013 and 2016, the Compensation Committee granted “employee inducement” awards to three then newly hired executives. The awards were granted outside of Safeguard’s existing equity compensation plans in accordance with NYSE rules. The employee inducement awards consisted of: (i) options that were outstanding at January 1, 2018 to purchase up to an aggregate of 70,000 shares of Safeguard common stock and (ii) 23,083 shares of restricted stock and 23,083 performance stock units that were granted as inducement awards during 2016. All of the “employee inducement” awards that were granted as stock options have a per share exercise price equal to the average of the high and low prices of Safeguard common stock on the grant date. 17,500 of such stock options were granted with an eight-year term and 52,500 of such stock options were granted with a 10-year term. The 23,083 performance stock units were granted with a 10-year term.

During 2018, there were no shares underlying inducement stock options that were exercised, 7,260 shares of restricted stock underlying inducement awards vested and 70,000 of the shares of underlying inducement stock options expired.

Of the shares underlying the “employee inducement” awards that were outstanding at December 31, 2018, (i) 5,900 shares of restricted stock were subject to time-based vesting in eight equal quarterly installments commencing on January 15, 2019, and (ii) 11,799 performance stock units vest based on the aggregate cash produced as a result of monetizations involving certain of our partner companies relative to the amount of cash deployed in connection with such partner companies. With the exception of the capital-return based vesting provisions, the terms and provisions of the employee inducement awards are substantially the same as equity grants previously awarded to other executives under Safeguard’s equity compensation plans.

The following table provides information as of December 31, 2018 about the securities authorized for issuance under our equity compensation plans. The material features of our equity compensation plans are described in Note 7 to the Consolidated Financial Statements filed as part of our Annual Report on Form 10-K for the year ended December 31, 2018.

Equity Compensation Plan Information			
Plan Category	Number of Securities to Be Issued Upon Exercise of Outstanding Options, Warrants and Rights (1)	Weighted-Average Exercise Price of Outstanding Options, Warrants and Rights (2)	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders (3)	985,821	\$14.9245	2,063,088
Equity compensation plans not approved by security holders (4)	117,355	\$13.2940	—
Total	1,103,176	\$14.6607	2,063,088

- (1) Includes a total of 658,622 shares underlying PSUs and DSUs awarded for no consideration and 33,947 shares underlying DSUs awarded to directors in lieu of all or a portion of directors' fees.
- (2) The weighted average exercise price calculation excludes 692,569 shares underlying outstanding DSUs and PSUs included in column (a) which are payable in stock, on a one-for-one basis.
- (3) Represents awards granted under the 1999 Equity Compensation Plan and the 2014 Plan and shares available for issuance under the 2014 Plan.
- (4) Includes awards granted under the 2001 Plan and 11,799 "employee inducement" awards.

Item 13. *Certain Relationships and Related Transactions, and Director Independence*

Incorporated by reference to the portions of the Definitive Proxy Statement entitled "Corporate Governance Principles and Board Matters – 'Board Independence' and 'Review and Approval of Transactions with Related Persons.'"

Item 14. *Principal Accountant Fees and Services*

Incorporated by reference to the portion of the Definitive Proxy Statement entitled "Independent Public Accountant – Audit Fees."

PART IV

Item 15. Exhibits and Financial Statement Schedules

(a) Consolidated Financial Statements and Schedules

Incorporated by reference to Item 8 of this Report on Form 10-K.

(b) Exhibits

The exhibits required to be filed as part of this Report are listed in the exhibit index below.

(c) Financial Statement Schedules

None.

Exhibits

The following is a list of exhibits required by Item 601 of Regulation S-K filed as part of this Report. For exhibits that previously have been filed, the Registrant incorporates those exhibits herein by reference. The exhibit table below includes the Form Type and Filing Date of the previous filing and the location of the exhibit in the previous filing which is being incorporated by reference herein. Documents which are incorporated by reference to filings by parties other than the Registrant are identified in footnotes to this table.

Exhibit Number	Description	Incorporated Filing Reference	
		Form Type & Filing Date	Original Exhibit Number
1.a	Description		
3.1.1	Seconded Amended and Restated Articles of Incorporation of Safeguard Scientifics, Inc.	Form 8-K 10/25/07	3.1
3.1.2	Amendment to Seconded Amended and Restated Articles of Incorporation of Safeguard Scientifics, Inc.	Form 8-K 8/27/09	3.1
3.1.3	Statement with Respect to Shares	Form 10-Q 4/25/14	3.1
3.1.4	Statement of Designation of Series B Junior Participating Preferred Stock	Form 8-K 2/20/18	3.1
3.2	Third Amended and Restated By-laws of Safeguard Scientifics, Inc.	Form 8-K 2/13/18	3.1
4.1	Section 382 Tax Benefits Preservation Plan, dated as of February 19, 2018, by and among Safeguard Scientifics, Inc., Computershare Inc. and Computershare Trust Company, N.A.	Form 8-K 2/20/18	4.1
10.1*	Safeguard Scientifics, Inc. 1999 Equity Compensation Plan, as amended and restated on October 21, 2008	Form 10-Q 11/6/08	10.4
10.2	Safeguard Scientifics, Inc. 2001 Associates Equity Compensation Plan, as amended and restated on October 21, 2008	Form 10-Q 11/6/08	10.5
10.3*	Safeguard Scientifics, Inc. 2014 Equity Compensation Plan, as amended and restated on March 5, 2014	Form 10-Q 7/25/14	10.1
10.4*	Safeguard Scientifics, Inc. Executive Deferred Compensation Plan (amended and restated as of January 1, 2009)	Form 10-K 3/19/09	10.4
10.5*	Management Incentive Plan	Form 8-K 4/25/08	10.1
10.6*	Amended and Restated Safeguard Scientifics, Inc. Transaction bonus plan	Form 8-K 2/19/19	99.1
10.7†	Compensation Summary — Non-employee Directors	—	—
10.8.1*	Agreement by and between Safeguard Scientifics, Inc. and Stephen Zarrilli dated as of May 28, 2008	Form 8-K 5/29/08	10.1
10.8.2*	Letter Amendment dated December 9, 2008, to Agreement by and between Safeguard Scientifics, Inc. and Stephen Zarrilli dated as of May 28, 2008	Form 10-K 3/19/09	10.9.2
10.8.3*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Stephen T. Zarrilli dated December 28, 2012	Form 10-K 3/11/13	10.9.3
10.8.4*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Stephen T. Zarrilli dated April 6, 2018	Form 8-K 4/10/18	99.8

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10.9.1*	Amended and Restated Letter Agreement by and between Safeguard Scientifics, Inc. and Brian J. Sisko dated December 3, 2008	Form 10-K 3/19/09	10.12
10.9.2*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Brian J. Sisko dated December 14, 2009	Form 10-K 3/16/10	10.11.2
10.9.3*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Brian J. Sisko dated December 28, 2012	Form 10-K 3/11/13	10.10.3
10.9.4*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Brian J. Sisko dated April 6, 2018	Form 8-K 4/10/18	99.5
10.10.1*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Jeffrey B. McGroarty dated January 6, 2014	Form 8-K 1/7/14	10.1
10.11.1*	Compensation Agreement by and between Safeguard Scientifics, Inc. and David Kille dated September 1, 2015	Form 8-K 4/10/18	99.6
10.11.2*	Compensation Agreement by and between Safeguard Scientifics, Inc. and David Kille dated April 6, 2018	Form 8-K 4/10/18	99.7
10.12*	Compensation Agreement by and between Safeguard Scientifics, Inc. and Mark Herndon dated September 17, 2018	Form 8-K 9/18/18	99.1
10.13*	Key Employee Compensation Recoupment Policy	Form 10-Q 7/26/13	10.2
10.14	Purchase and Sale Agreement dated as of December 9, 2005 by and among HarbourVest VII Venture Ltd., Dover Street V L.P. and several subsidiaries and affiliated limited partnerships of Safeguard Scientifics, Inc.	Form 10-K 3/13/06	10.36
10.15	Consent Agreement, dated as of May 17, 2011, by and among Shire Pharmaceuticals, Inc. and certain stockholders of Advanced BioHealing, Inc.	Form 8-K 5/18/11	10.1
10.16.1	Loan and Guaranty Agreement dated as of May 11, 2017 among Safeguard Scientifics, Inc., Safeguard Scientifics (Delaware), Inc., Safeguard Delaware, Inc., Safeguard Technologies, Inc., SFE Properties, Inc., Safeguard Capital Management, Inc., SSI Partnership Holdings, (Pennsylvania), Inc., SSI Management Company, Inc., Safeguard Fund Management, Inc., Safeguard Delaware II, Inc. and Safeguard PM SPV, Inc. and HPS Investment Partners, LLC and certain other lenders party thereto	Form 8-K/A 5/12/17	10.1
10.16.2	Pledge and Security Agreement dated as of May 11, 2017 among Safeguard Scientifics, Inc., Safeguard Scientifics (Delaware), Inc., Safeguard Delaware, Inc., Safeguard Technologies, Inc., SFE Properties, Inc., Safeguard Capital Management, Inc., SSI Partnership Holdings, (Pennsylvania), Inc., SSI Management Company, Inc., Safeguard Fund Management, Inc., Safeguard Delaware II, Inc. and Safeguard PM SPV, Inc. and HPS Investment Partners, LLC and certain other lenders party thereto	Form 8-K/A 5/12/17	10.2
10.16.3	Second Amendment to Loan and Guaranty Agreement and Lien Reaffirmation Agreement dated as of May 11, 2018 among Safeguard Scientifics, Inc., Safeguard Scientifics (Delaware), Inc., Safeguard Delaware, Inc., Safeguard Technologies, Inc., SFE Properties, Inc., Safeguard Capital Management, Inc., SSI Partnership Holdings, (Pennsylvania), Inc., SSI Management Company, Inc., Safeguard Fund Management, Inc., Safeguard Delaware II, Inc. and Safeguard PM SPV, Inc. and HPS Investment Partners, LLC and certain other lenders party thereto	Form 8-K/A 5/15/18	10.1
10.17.1	Stock Repurchase Agreement dated as of July 2, 2018 between Safeguard Delaware, Inc. and MediaMath Holdings, Inc.	Form 8-K 7/9/18	10.1
10.17.2	Amendment No. 1 Stock Repurchase Agreement dated as of January 3, 2019 between Safeguard Delaware, Inc. and MediaMath Holdings, Inc.	Form 8-K 1/4/19	10.1
14.1 †	Code of Business Conduct and Ethics	—	—
21.1 †	List of Subsidiaries	—	—
23.1 †	Consent of Independent Registered Public Accounting Firm — KPMG LLP	—	—
31.1 †	Certification of Brian J. Sisko pursuant to Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934	—	—
31.2 †	Certification of Mark A. Herndon pursuant to Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934	—	—
32.1 ‡	Certification of Brian J. Sisko pursuant to 18 U.S.C. Section 1350, as Adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	—	—
32.2 ‡	Certification of Mark A. Herndon pursuant to 18 U.S.C. Section 1350, as Adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	—	—
101	The following materials from Safeguard Scientifics, Inc. Annual Report on Form 10-K for the year ended December 31, 2016, formatted in XBRL (eXtensible Business Reporting Language); (i) Consolidated Balance Sheets; (ii) Consolidated Statements of Operations; (iii) Consolidated Statements of Comprehensive Loss; (iv) Consolidated Statements of Changes in Equity; (v) Consolidated Statements of Cash Flows; and (vi) Notes to Consolidated Financial Statements.	—	—

† Filed herewith

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‡ Furnished herewith

* These exhibits relate to management contracts or compensatory plans, contracts or arrangements in which directors and/or executive officers of the Registrant may participate.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

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By: BRIAN J. SSKO
Brian J. Sisko
President and Chief Executive Officer

Dated: March 1, 2019

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>BRIAN J. SSKO</u> Brian J. Sisko	President and Chief Executive Officer and Director (Principal Executive Officer)	March 1, 2019
<u>MARK A. HERNDON</u> Mark A. Herndon	Senior Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)	March 1, 2019
<u>IRA LUBERT</u> Ira Lubert	Director	March 1, 2019
<u>RUSSELL GLASS</u> Russell Glass	Director	March 1, 2019
<u>MAUREEN MORRISON</u> Maureen Morrison	Director	March 1, 2019
<u>J OHN J. R OBERTS</u> John J. Roberts	Director	March 1, 2019
<u>R OBERT J. R OSENTHAL</u> Robert J. Rosenthal	Chairman of the Board of Directors	March 1, 2019

SAFEGUARD SCIENTIFICS, INC.
COMPENSATION SUMMARY - NON-EMPLOYEE DIRECTORS

Effective as of July 1, 2018, non-employee directors are compensated for their service as a director as shown in the table below:

Annual Board Retainers (for a full year of Board service) :

Chairman of the Board	\$100,000
Other Directors	\$50,000

Additional Annual Chairperson Retainers (for a full year of committee service) :

Audit Committee	\$15,000
Compensation Committee	\$10,000
Nominating & Corporate Governance Committee	\$10,000

Directors' fees are paid quarterly, in arrears, and retainers are prorated based on actual days of service relative to a full year of Board service. We also reimburse non-employee directors for expenses they incur to attend Board and Committee meetings and for attendance at one director continuing education program during each calendar year or the reasonable cost of one year's membership in an organization which is focused on director education.

Each non-employee director also receives an annual service grant of shares of restricted stock having a value of \$75,000, based upon the average closing price of a share of the our common stock on the New York Stock Exchange composite tape for the 20 consecutive trading days immediately preceding the grant date. The shares of restricted stock are fully vested at grant for those directors who have reached age 65 and otherwise shall vest 100% on the earlier of the first anniversary of the grant date or the director's attainment of age 65.

SAFEGUARD SCIENTIFICS, INC.
CODE OF BUSINESS CONDUCT AND ETHICS

I. Background - Administration

The reputation and integrity of Safeguard Scientifics, Inc. (“Company”) is a valuable asset that is vital to our success.

Each Company employee, including each of the Company’s officers, and each Company director is responsible for conducting the Company’s business in a manner that demonstrates a commitment to the highest standards of integrity. This Code of Business Conduct and Ethics (“Code”), which applies to all directors, officers and employees of the Company (collectively referred to as “Company Personnel”), has been adopted to help Company Personnel meet these standards. Specifically, the purpose of this Code is to:

- encourage among Company Personnel a culture of honesty, accountability and mutual respect;
- provide guidance to help Company Personnel recognize and deal with ethical issues; and
- provide mechanisms for Company Personnel to report unethical conduct.

While this Code is designed to provide helpful guidelines, it is not intended to address every specific situation. Nevertheless, in every instance, we require that Company Personnel act honestly, fairly and with a view towards “doing the right thing.”

The Safeguard Scientifics, Inc. Board of Directors (“Safeguard Board”) is ultimately responsible for oversight of the Code. The Safeguard Board has designated G. Matthew Barnard, or his successor, to be the compliance officer (the “Compliance Officer”) for the implementation and administration of the Code. Company Personnel should feel free to direct questions concerning this Code to the Compliance Officer:

Safeguard Scientifics, Inc.
Attention: Compliance Officer
170 North Radnor-Chester Road, Suite 200
Radnor, PA 19087
e-mail address: complianceofficer@safeguard.com

II. Overview

It is the policy of the Company to: (a) comply with all applicable governmental laws, rules and regulations; (b) expect that all Company Personnel at all times observe honest and ethical conduct in the performance of their responsibilities, including the avoidance of conflicts of interest; (c) expect all Company Personnel to treat others with dignity, including other employees, shareholders, customers and vendors; and (d) encourage and support internal disclosure of any violation of this Code for appropriate action.

The Code governs the business-related conduct of all Company Personnel, including, but not limited to, the chief executive officer, chief financial officer and all other officers of Safeguard. Directors of the Company who are not employees are subject to this Code only as it relates to their capacities as directors.

III. Compliance With Law

A variety of laws apply to the Company and its operations. Company Personnel are expected to comply with all such laws, as well as rules and regulations adopted under such laws. Examples of criminal violations under these laws include:

- stealing, embezzling or misapplying corporate or bank funds;
- using threats, physical force or other unauthorized means to collect money;
- making false entries in the books and records of the Company, or engaging in any conduct that results in the making of such false entries;
- making a payment for an express purpose on the Company's behalf to an individual who intends to use it for a different purpose;
- utilizing the Company's funds or other assets or services to make a political contribution or expenditure; and
- making payments, whether corporate or personal, of cash or other items of value that are intended to influence the judgment or actions of political candidates, government officials or businesses in connection with any of the Company's activities.

The Company must and will report all suspected criminal violations to the appropriate authorities for possible prosecution and will investigate, address and report to governmental or other authorities, as appropriate, non-criminal violations.

IV. **Conflicts of Interest**

Company Personnel are expected to make or participate in business decisions and actions in the course of their employment with the Company based on the best interests of the Company as a whole, and not based on personal relationships or personal benefits. A conflict of interest, which can occur or appear to occur in a wide variety of situations, can compromise the business ethics of Company Personnel. Generally speaking, a conflict of interest occurs when the personal interest of Company Personnel or members of their immediate family interferes with, or has the potential to interfere with, the interests or business of the Company. For example, a conflict of interest may occur where an employee or a family member receives a gift, a unique advantage, or an improper personal benefit as a result of the employee's position at the Company. A conflict of interest could make it difficult for such person to perform corporate duties objectively and effectively because he or she is involved in a competing interest. The following is a discussion of certain common areas that raise conflict of interest issues. However, a conflict of interest can occur in a variety of situations. Company Personnel must be alert to recognize any situation that may raise conflict of interest issues and must disclose to the Compliance Officer any material transaction or relationship that reasonably could be expected to give rise to actual or apparent conflicts of interest with the Company.

Outside Activities/Employment - Any outside activity must not significantly encroach on the time and attention Company Personnel devote to their corporate duties and must not adversely affect the quality or quantity of their work. In addition, Company Personnel may not make use of corporate equipment, facilities or supplies for, or imply (without the Company's approval) the Company's sponsorship or endorsement of, any outside activity, and under no circumstances are Company Personnel permitted to take for themselves or their family members business opportunities that are discovered or made available by virtue of their positions at the Company. Moreover, unless the Audit Committee of the Company's Board of Directors shall have approved or ratified a particular transaction or situation in accordance with the Company's Statement of Policy with Respect to Related Party Transactions, Company Personnel may not (i) have any financial or economic interest in (a) any entity that is, or to such person's knowledge may become, a vendor to, or a customer or competitor of, the Company or any of its partner companies; or (b) any entity that otherwise has or may have a relationship with, or might expect financial or other support from, the Company (including, but not limited to, any of its partner companies) or a partner company; or (ii) provide services to or perform services for the benefit of any such entity, other than services performed at the request of or on behalf of the Company. For purposes of clarity and consistency, the preceding sentence shall be interpreted to include the purchase or other acquisition by any Company Personnel of any financial or economic interest in a partner company or proposed partner company of the Company, whether directly or through a public market transaction, or otherwise. Company employees are prohibited from taking part in any outside employment without Safeguard's prior written approval.

Notwithstanding the foregoing, other than relating to a partner company of the Company, Company Personnel generally may have (i) a passive investment in up to five percent of the total outstanding shares of an entity that is

listed on a national or international exchange, the OTC Bulletin Board or a similar quotation service or (ii) a limited partnership interest in a private equity, venture capital or similar fund constituting less than five percent of such fund's committed capital, provided that the investment is not so large financially either in absolute dollars or as a percentage of the person's total net worth that it creates the appearance of a conflict of interest.

Directors of the Company who are not employees of the Company must be sensitive to situations in which they may be associated with, or have business or financial interests in, corporations or other business entities that, from time to time, have business dealings with the Company or which may compete with the Company. While these relationships and interests are not prohibited, they should be avoided where reasonably practicable. Any Company director who becomes engaged in such a relationship or interest must promptly bring it to the attention of the Chairperson of the Safeguard Board. The Chairperson shall promptly refer such matter to the full Safeguard Board or an appropriately authorized committee of the Safeguard Board for consideration and appropriate disposition. If a conflict cannot be avoided, it must be managed in an ethical and responsible manner.

Civic/Political Activities - Company Personnel are encouraged to participate in civic, charitable or political activities so long as such participation does not encroach on the time and attention they are expected to devote to their Company-related duties. Such activities are to be conducted in a manner that does not involve the Company or its assets or facilities and does not create an appearance of the Company's sponsorship or endorsement.

Inventions, Books and Publications - Company employees must receive written permission from the Compliance Officer before developing, outside of the Company, any products, software or intellectual property that may be related to the Company's current or potential business.

Proper Payments - Company Personnel shall pay for and receive only that which is proper. Company Personnel must not make or promise payments to influence another's acts or decisions, and Company employees must not give gifts beyond those extended in normal business.

Gifts - Company Personnel and members of their families must not give or receive valuable gifts (including gifts of equipment or money, discounts, or favored personal treatment) to or from any person associated with Safeguard's vendors or customers. Acceptance of a gift in the nature of a memento, such as a conference gift or other inconsequential gift valued at less than five hundred dollars (\$500), is permitted. Engaging in normal, occasional business-related entertainment, such as meals or the use of sporting, theatrical or other public event tickets, is permissible with the understanding that it is expected that Company Personnel will exercise sound judgment in reliance on this exception so as to avoid any situation that may otherwise be subject to question.

Loans to Directors and Employees - The Company will not make loans or extend credit guarantees to or for the personal benefit of directors and executive officers except as permitted by law and the listing standards of any exchange or quotation system on which the Company's common stock is listed. Loans or guarantees may be extended to other employees only with the Company's approval.

Insider Trading - Company Personnel are prohibited from trading in securities while in possession of material, nonpublic information. Among other things, trading while in possession of material, nonpublic information can subject the person to criminal or civil penalties. The Company has adopted a Statement of Company Policy for Insider Trading and Disclosure (the "Insider Trading Policy") and requires all Company Personnel to sign a statement acknowledging that they have read, understand and will comply with the policies set forth therein.

V. **Fair Dealing**

Company Personnel shall deal fairly and in good faith with each other and the Company's customers, suppliers, regulators, business partners and others. Company Personnel may not take unfair advantage of anyone through manipulation, misrepresentation, inappropriate threats, fraud, abuse of confidential information or other related conduct.

VI. **Proper Use of Company Assets**

As a general rule, Company assets, including facilities, equipment, materials, supplies, time, information, intellectual property, software, and other assets owned or leased by the Company, or that are otherwise in the Company's possession, may be used only for legitimate business purposes. However, the Company makes an exception for incidental personal use (e.g., telephone calls to a friend or family member, sending a personal e-mail message, accessing the Web, etc.) provided that such incidental personal use is legal, ethical, appropriate and does not interfere with the conscientious performance of an employee's duties.

VII. **Delegation of Authority**

Company Personnel, and particularly each of the Company's officers and other managerial employees, must exercise due care to ensure that any delegation of authority is reasonable and appropriate in scope and includes appropriate and continuous monitoring.

VIII. **Handling Confidential Information**

Company Personnel have an obligation to protect and keep confidential all nonpublic information related to the Company ("Confidential Information") unless and until its disclosure is approved by the Company and one full business day has passed following its disclosure by the Company in publicly filed SEC reports, press releases, external website, other institutionalized methods of electronic communication, or where disclosure is otherwise mandated by law or regulation. Confidential Information includes all nonpublic information entrusted to or obtained by Company Personnel by virtue of their affiliation with or employment by the Company or their service on the Company's Board of Directors. Confidential Information includes but is not limited to information relating to:

- the Company's strategy, business, finances, prospects, plans, and operations;
- proposed mergers, acquisitions, divestitures, new business ventures, opportunities, partnerships or agreements;
- news of a pending initial or secondary public offering of securities, other public or private sales of securities, stock splits or tender offers;
- products, orders, contracts, customers, vendors or competitors;
- employee records;
- the proceedings, discussions and deliberations of the Board and its committees;
- discussions relating to the Company by and among employees, officers and directors; and
- third party confidential and proprietary information that has been provided to the Company and which the Company is under an obligation to maintain as confidential.

In addition, Company Personnel must safeguard proprietary information, which includes information that is not generally known to the public and has commercial value in the Company's business. Proprietary information includes, among other things, software programs, source and object codes, trade secrets, ideas, techniques, inventions (whether patentable or not) and other information relating to designs, algorithms and research. It also includes information relating to marketing, pricing, customers, and terms of compensation for Company Personnel. The obligation to safeguard proprietary information continues even after employment or service with the Company ends.

Please keep in mind the following guidelines in order to protect Confidential Information:

- Do not discuss Confidential Information in public places.
- Do not forward Confidential Information or proprietary information to non-Company email accounts.
- Beware of informal telephone or email requests from outsiders requesting information (including but not limited to requests for comments on expected financial performance, information about current or former employees, or requests from the media).

The Company's Statement of Company Policy on Insider Trading and Disclosure contains additional information concerning confidentiality obligations for Company Personnel.

IX. **Public Disclosures**

As a public company, the Company must ensure that its filings and submissions with the SEC and other public communications provide full, fair, timely, accurate and understandable disclosure. Company Personnel engaged in the preparation of these filings, submissions and communications ("Public Disclosure Personnel") must endeavor to ensure that the Company's filings, submissions, and communications meet these objectives. Depending on their duties and responsibilities, other employees may be called upon to provide information to assure that the Company's reports are complete, fair and understandable. To this end, all transactions affecting assets, liabilities, stockholders' equity, revenues and expenses must be recorded on a timely basis in detailed journals and must be traceable through the general ledger and resulting financial statements. Accounting and financial reporting practices must be fair and proper, in accordance with generally accepted accounting principles.

Company Personnel are expected to take this responsibility very seriously. Company Personnel are prohibited from (i) directly or indirectly taking any action to influence, coerce, manipulate or mislead the Company's independent registered public accounting firm in the performance of an audit of the Company's financial statements for the purpose of rendering the Company's financial statements materially misleading; (ii) altering, mutilating or concealing a record, document or other object, or attempting to do so with intent to impair the object's integrity or availability for use in an official proceeding; and (iii) using Company funds for any purpose other than as described in the documents supporting the disbursement.

If requested by Public Disclosure Personnel to provide information for use in such filings, submissions or communications, Company Personnel will provide, as promptly as practicable, accurate, understandable and complete information on a timely basis.

Complaints or concerns regarding accounting, internal accounting controls or audit matters must be reported to the Compliance Officer, to the Audit Committee of the Safeguard Board or through our external reporting system, MySafeWorkplace, as indicated in Article X of this Code. Company Personnel may choose to submit such complaints or concerns anonymously. However, we encourage Company Personnel to supply contact information with their submission to facilitate follow-up, clarification and assistance with any investigation, if necessary.

Special Ethics Guidelines for the Chief Executive Officer and Employees with Financial Reporting Responsibilities

The Chief Executive Officer and employees with financial reporting responsibilities bear a special responsibility for promoting integrity throughout the organization and have a special role both to adhere to these principles themselves and also to ensure that a culture exists throughout the Company as a whole that ensures the fair and timely reporting of Company financial results and condition, as well as other information required by SEC regulations. Because of this special role, the Chief Executive Officer and employees with financial reporting responsibilities are bound by the following additional specific policies.

The Chief Executive Officer and employees with financial reporting responsibilities shall:

- Act with honesty and integrity, avoiding actual or apparent conflicts of interest in personal and professional relationships.
- Provide to the Company's other employees, consultants and advisors who are engaged in filing reports and documents with the SEC ("SEC Reports") or in disseminating other public communications such as press releases, information that is accurate, complete, relevant, timely and understandable.
- Endeavor to ensure full, fair, timely, accurate and understandable disclosure in SEC Reports.
- Comply with laws, rules and regulations of federal, state and local governments, and appropriate self-regulatory organizations.
- Act in good faith, responsibly, with due care, competence and diligence, without misrepresenting material facts or allowing one's independent judgment to be subordinated.
- Respect the confidentiality of information acquired in the course of one's work except when authorized or otherwise legally obligated to disclose.
- Refrain from using Confidential Information acquired in the course of employment for personal advantage.
- Proactively promote and be an example of ethical behavior as a responsible partner among peers in the work environment.
- Endeavor to ensure responsible use of and control over all assets and resources employed or entrusted.
- Record or participate in the recording of entries in the Company's books and records that are accurate to the best of his or her knowledge.

Promptly report to the Compliance Officer, the Audit Committee of the Safeguard Board, or through our external reporting system, MySafeWorkplace, any conduct that he or she believes to be a violation of law or business ethics or of any provision of this Code, including any transaction or relationship that reasonably could be expected to give rise to such a violation.

Violations of these Special Ethics Guidelines for the Chief Executive Officer and employees with financial reporting responsibilities, including failures to report violations or suspected violations by others, will be viewed as a severe disciplinary matter that may result in personnel action, including termination of employment.

X. **Report of Violations**

Administration - General Policy Regarding Report of Violations - Company Personnel who observe, learn of, or, in good faith, suspect a violation of the Code must immediately report the violation or suspected violation either to his or her immediate supervisor (who in turn is responsible for informing the Compliance Officer of such report) or to the Compliance Officer. Complaints or concerns regarding accounting, internal accounting controls or audit matters, must be reported to the Compliance Officer, to the Audit Committee of the Safeguard Board or through our external reporting system, MySafeWorkplace, as indicated in this Article X. You may be subject to disciplinary action, including termination of employment, for failure to do so.

Complaint Procedure

- Notification of Complaint

- To report a violation, suspected violation, complaint or concern to the Compliance Officer, provide the report to the following address or e-mail address:

Safeguard Scientifics, Inc.
Attention: Compliance Officer
170 North Radnor-Chester Road, Suite 200
Radnor, PA 19087
e-mail address: complianceofficer@safeguard.com

- To report a violation, suspected violation, complaint or concern to the Audit Committee of the Safeguard Board, provide the report to the following address:

Safeguard Scientifics, Inc.
Attention: Audit Committee - CONFIDENTIAL
c/o Corporate Secretary
170 North Radnor-Chester Road, Suite 200
Radnor, PA 19087

- If Company Personnel are not comfortable using the procedures and protocols outlined above, they can report a violation, suspected violation, complaint or concern by providing a report via our external, anonymous and confidential reporting system, MySafeWorkplace. Such report should be provided using the following internet address or telephone number:

Via Internet: www.MySafeWorkplace.com
Via telephone: 800-461-9330

- Whenever practical, the complaint should be made in writing.
 - You may choose to submit violations, suspected violations, complaints or concerns anonymously. However, we encourage Company Personnel to supply contact information with their submission to facilitate follow-up, clarification and assistance with any investigation, if necessary. Confidentiality is respected and an individual's identity will only be shared on a "need-to-know" basis.
 - Nothing in this Code prevents Company Personnel from reporting violations or suspected violations of law to relevant government authorities.
-

- Investigation and Corrective Action

Reports of violations, suspected violations, complaints or concerns will promptly be investigated under the supervision of the Compliance Officer or, where appropriate, the Audit Committee of the Safeguard Board. Company Personnel are required to cooperate fully in such investigations and to provide truthful, complete and accurate information. The investigation will be handled as discreetly as reasonably possible, allowing for a fair investigation and any necessary corrective action. Appropriate corrective action will be taken whenever a violation of this Code is determined to have occurred. Depending on the nature of the violation, the offending individual can be subject to disciplinary action, which may include termination of employment. In addition, anyone who interferes with an investigation, or provides information in an investigation that the individual knows to be untrue or inaccurate, will be subject to disciplinary action, which may include termination of employment. Any employee who submits a complaint or concern relating to the handling of accounting, internal accounting controls or audit matters in good faith should have no fear of dismissal or retaliation of any kind. **Retaliation against employees who, for lawful purposes, file a complaint or participate in an investigation is strictly prohibited.**

The Audit Committee of the Safeguard Board will be responsible for the acceptance, investigation and management of reports of suspected violations of this Code by the Chief Executive Officer, the Compliance Officer and employees with financial reporting responsibilities and complaints or concerns regarding accounting, internal accounting controls or audit matters.

The Company's Compliance Officer will be responsible for the acceptance, investigation and management of reports by attorneys regarding material violations of securities laws, fiduciary duties or similar laws.

- Confidentiality

Except as may be required by law or by the requirements of the resulting investigation or the corrective action, all notices, reports and information received under this process will be treated in a confidential manner. Every reasonable effort will be made to handle the matter with discretion and to protect the identity of those who make reports as well as those who are being investigated. However, the Compliance Officer regularly will report to the Audit Committee of the Safeguard Board any violations that have been reported. Further, if necessary to conduct a proper review or to comply with legal requirements, the Audit Committee of the Safeguard Board, the Company's independent registered public accounting firm or others may become involved in the review process. Also, as noted above, the Company must and will report all suspected criminal violations to the appropriate authorities for possible prosecution and will investigate, address and report to governmental or other authorities, as appropriate, non-criminal violations.

XI. Protection Against Retaliation

Policy - The Company prohibits any form of retaliation against employees who, for lawful purposes, report to the Company any conduct or activity that may violate this Code, any law or regulation applicable to the Company, or any other suspected improper, unethical or illegal conduct or activities by anyone at the Company. The Company also prohibits any form of retaliation against employees who provide information, cause information to be provided, or assist in an investigation conducted by the Company or any governmental body regarding a possible violation of any law or regulation relating to fraud, any labor law, or any rule or regulation of the SEC, or who file, cause to be filed, or assist, participate or give testimony in any proceeding relating to an alleged violation of any such law, rule or regulation.

Management Responsibility - All Company officers and other managerial employees are responsible for ensuring adherence to this Code. In addition, each Company officer and managerial employee is responsible for communicating this Code to employees under his or her supervision and for supporting programs and practices designed to develop understanding of, commitment to and compliance with this Code. In the event that any Company officer, other managerial employee or supervisor believes that a violation of this Code has occurred or

receives a report of a violation, he or she must immediately contact the Compliance Officer or the Audit Committee of the Safeguard Board.

Procedures for Reporting Policy Violations - If an employee believes that he or she has been retaliated against (including threatened or harassed) in violation of this Code, he or she should immediately report the retaliation either to his or her immediate supervisor (who in turn is responsible for informing the Compliance Officer of such report) or to the Compliance Officer in accordance with the contact procedures for the Compliance Officer set forth above. In connection with retaliation related to complaints or concerns regarding accounting, internal accounting controls or audit matters, any retaliation in violation of this Code must be reported to the Compliance Officer, the Audit Committee of the Safeguard Board or through our external reporting system, MySafeWorkplace, in accordance with the contact procedures set forth above. Once an employee reports retaliation prohibited by this Code, the Company will promptly investigate the matter in accordance with the procedures described in Article X of this Code.

XII. **Waivers**

Requests for a waiver of a provision of the Code must be submitted in writing to the Compliance Officer or the Audit Committee of the Safeguard Board for appropriate review, and the Compliance Officer or the Audit Committee of the Safeguard Board will decide the outcome. For conduct involving directors and executive officers, only the Audit Committee of the Safeguard Board has the authority to waive a provision of the Code. The Audit Committee of the Safeguard Board must review and approve any “related party” transaction as defined in Item 404 of Regulation S-K, promulgated by the SEC, before it is consummated. In the event of an approved waiver involving the conduct of a director or executive officer, appropriate and prompt disclosure must be made to the Company’s shareholders as required by the SEC or other regulation or by applicable listing standards of the principal exchange or interdealer quotation system on which the Company’s common stock is listed.

Statements in the Code to the effect that certain actions may be taken only with “the Company’s approval” or that certain items will be “designated by the Company” will be interpreted to mean that appropriate executive officers of Safeguard Scientifics, Inc. or members of the Safeguard Board must give prior written approval or make such designation before the proposed action may be undertaken or the proposed designation may be made.

Violations of the Special Ethics Guidelines for the Chief Executive Officer and employees with financial reporting responsibilities contained in this Code that go unaddressed are treated by the SEC as implicit waivers of this Code. Accordingly, any violation that is discovered and not addressed will have to be disclosed in accordance with the rules and regulations of the SEC and applicable listing standards with respect to a waiver of this Code. In such cases, the applicable SEC rules will require disclosure of the nature of any violation, the date of the violation and the name of the person who committed the violation. Such disclosure would not only be harmful to the Company but also to an individual either as one who is responsible for monitoring the enforcing compliance with this Code or as one who has violated it. In either case, depending on the nature of the violation, an individual may be dismissed or his or her duties and responsibilities with the Company may be changed.

XIII. **Compliance**

Adherence to Code; Disciplinary Action - All Company Personnel have a responsibility to understand and follow this Code. In addition, all Company Personnel are expected to perform their work with honesty and integrity in all areas not specifically addressed in this Code. A violation of this Code may result in appropriate disciplinary action, including the possible termination from employment with the Company.

Communications; Training; Annual Certification - The Company strongly encourages dialogue among employees and their supervisors to make everyone aware of situations that give rise to ethical questions and to articulate acceptable ways of handling those situations. Company employees will receive periodic training on the contents and importance of the Code and related policies and the manner in which violations must be reported and waivers must be requested. All Company Personnel must certify that they have read this Code and to the best of their knowledge are in compliance with all its provisions. In addition, each director, officer and other managerial

employee of the Company, as may be designated by the Company from time to time, has an obligation to annually certify that he or she has reviewed this Code with his or her subordinates. Forms of these certifications are attached to this Code as Appendices I and II.

Responsibility of Senior Employees - All Company officers and other managerial employees will be responsible for the enforcement of, and compliance with, this Code, including necessary distribution to assure Company employee knowledge and compliance. Directors, officers and other managerial employees are expected to promote honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships. Managerial employees may be disciplined if they condone misconduct, do not report misconduct, do not take reasonable measures to detect misconduct, or do not demonstrate the appropriate leadership to insure compliance.

XIV. **Related Policies; Enforceable by Company Only**

This Code should be read in conjunction with Safeguard's other policy statements, including but not limited to the Statement of Company Policy on Insider Trading and Disclosure. This Code is for the benefit of the Company, and no other person or entity is entitled to enforce this Code. This Code does not, and should not be interpreted to, create any private cause of action or remedy in any other person or entity for a violation of the Code. In addition, this Code should not be construed as a contract of employment and does not change any person's employment status.

Adopted: April 8, 2004

Last Approved: October 23, 2018

APPENDIX I

INITIAL CODE OF BUSINESS CONDUCT AND ETHICS DISCLOSURE STATEMENT

As a director, officer or other employee of Safeguard Scientifics, Inc. ("Company"), I have read and understand the Company's Code of Business Conduct and Ethics ("Code"), and I hereby affirm my agreement to comply with its terms. I hereby certify as follows:

1. I have received a copy of the Code.
 2. I have read, understand and agree to comply with the Code.
 3. I am currently in compliance and, as applicable, members of my family are in compliance, with the terms of the Code and all obligations imposed by it, except as disclosed to the Compliance Officer or as otherwise disclosed in accordance with the procedures contained in Article X of the Code.
 4. I am not aware of any conduct on the part of any person associated with the Company that may constitute a violation of the Code, except with respect to any matters that I may have disclosed to the Compliance Officer or otherwise disclosed in accordance with the procedures contained in Article X of the Code.
 5. I understand that none of the benefits, policies, programs, procedures or statements in the Code are intended to confer any rights or privileges upon me or entitle me to be or remain an employee of the Company. I am aware that the Code is not a contract and is subject to change at any time, without notice, at the sole discretion of the Company.
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I understand that all Disclosure Statements may be available to the Compliance Officer, the Company's Board of Directors, and internal and external legal counsel. Such information shall otherwise be held in confidence in accordance with Article X of the Code.

Each person signing a Disclosure Statement is responsible for keeping his/her Disclosure Statement current. These statements will be kept in Safeguard's Legal Department.

Signature

Name

Date

APPENDIX II

ANNUAL CODE OF BUSINESS CONDUCT AND ETHICS DISCLOSURE STATEMENT

As a director, officer or other employee of Safeguard Scientifics, Inc. (“Company”), I have read and understand the Company’s Code of Business Conduct and Ethics (“Code”), and I hereby reaffirm my agreement to comply with its terms. With respect to the last 12 months, I hereby certify as follows:

1. I have complied and, as applicable, members of my family have complied, with the terms of the Code and all obligations imposed by it, except as disclosed to the Compliance Officer or as otherwise disclosed in accordance with the procedures contained in Article X of the Code.
2. I have reviewed the Code with my subordinates and I am not aware of any conduct on the part of any person associated with the Company that may constitute a violation of the Code, except with respect to any matters that I may have disclosed to the Compliance Officer or otherwise disclosed in accordance with the procedures contained in Article X of the Code.
3. I understand that none of the benefits, policies, programs, procedures or statements in the Code are intended to confer any rights or privileges upon me or entitle me to be or remain an employee of the Company. I am aware that the Code is not a contract and is subject to change at any time, without notice, at the sole discretion of the Company.

I understand that all Disclosure Statements may be available to the Compliance Officer, the Company’s Board of Directors, and internal and external legal counsel. Such information shall otherwise be held in confidence except in accordance with Article X of the Code.

Each person signing a Disclosure Statement is responsible for keeping his/her Disclosure Statement current. These statements will be kept in Safeguard’s Legal Department.

Signature

Name

Date

SUBSIDIARIES OF SAFEGUARD SCIENTIFICS, INC.

Exclusive of immaterial subsidiaries and companies in which the Registrant holds a minority interest, as of March 1, 2019, the Registrant had the following subsidiaries:

NAME	PLACE OF INCORPORATION
Bonfield VII, Ltd.	British Virgin Islands
Novitas Capital Management, L.P.	Delaware
Novitas Capital II Management, L.P.	Pennsylvania
Safeguard Capital Management, Inc.	Delaware
Safeguard Delaware, Inc.	Delaware
Safeguard Delaware II, Inc.	Delaware
Safeguard Fund Management, Inc.	Delaware
Safeguard PM SPV, Inc.	Delaware
Safeguard Scientifics (Delaware), Inc.	Delaware
Safeguard Technologies, Inc.	Delaware
SFE Properties, Inc.	Delaware
SSI Management Company, Inc.	Delaware
SSI Partnership Holdings (Pennsylvania), Inc.	Pennsylvania

Consent of Independent Registered Public Accounting Firm

The Board of Directors
Safeguard Scientifics, Inc.:

We consent to the incorporation by reference in the registration statements on Form S-8 (No. 333-65092, 333-73284, 333-86777, 333-103976, 333-118046, 333-171226, 333-191911, 333-198783, and 333-214298), and in the registration statement on Form S-3 (No. 333-220716) of Safeguard Scientifics, Inc. and subsidiaries (the Company) of our reports dated March 1, 2019, with respect to the consolidated balance sheets of the Company as of December 31, 2018 and 2017, and the related consolidated statements of operations, comprehensive loss, changes in equity, and cash flows for the years then ended, and the related notes, and the effectiveness of internal control over financial reporting as of December 31, 2018, which reports appear in the December 31, 2018 annual report on Form 10-K of the Company.

/s/ KPMG LLP

Philadelphia, Pennsylvania

March 1, 2019

CERTIFICATION

I, Brian J. Sisko, certify that:

1. I have reviewed this Annual Report on Form 10-K of Safeguard Scientifics, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

SAFEGUARD SCIENTIFICS, INC.

Date: March 1, 2019

/s/ Brian J. Sisko

Brian J. Sisko
President and Chief Executive Officer
(Principal Executive Officer)

CERTIFICATION

I, Mark A. Herndon, certify that:

1. I have reviewed this Annual Report on Form 10-K of Safeguard Scientifics, Inc.;
 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.
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SAFEGUARD SCIENTIFICS, INC.

Date March 1, 2019

/s/ Mark A. Herndon

Mark A. Herndon

Senior Vice President and Chief Financial Officer

(Principal Financial and Accounting Officer)

**Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906
of the Sarbanes-Oxley Act of 2002**

In connection with the Annual Report of Safeguard Scientifics, Inc. (“Safeguard”) on Form 10-K for the year ended December 31, 2018 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian J. Sisko, President and Chief Executive Officer of Safeguard, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of section 13(a) of the Securities Exchange Act of 1934, (15 U.S.C. 78m(a)); and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Safeguard.

SAFEGUARD SCIENTIFICS, INC.

Date: March 1, 2019

/s/ Brian J. Sisko

Brian J. Sisko

President and Chief Executive Officer

(Principal Executive Officer)

**Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906
of the Sarbanes-Oxley Act of 2002**

In connection with the Annual Report of Safeguard Scientifics, Inc. (“Safeguard”) on Form 10-K for the year ended December 31, 2018 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Mark A. Herndon, Senior Vice President and Chief Financial Officer of Safeguard, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of section 13(a) of the Securities Exchange Act of 1934, (15 U.S.C. 78m(a)); and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Safeguard.

SAFEGUARD SCIENTIFICS, INC.

Date: March 1, 2019

/s/ Mark A. Herndon

Mark A. Herndon

Senior Vice President and Chief Financial Officer

(Principal Financial and Accounting Officer)