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American Rare Earths & Materials, Corp.
Form 10-K
September 26, 2011

UNITED STATES
Securities and Exchange Commission
Washington, D.C. 20549

FORM 10-K

ANNUAL REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended June 30, 2011

TRANSITION REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File No. 000-15260

American Rare Earths and Materials, Corp.
(Name of Small Business Issuer in its Charter)

Nevada
(State or Other Jurisdiction of incorporation or organization)

98-0669413
(I.R.S. Employer I.D. No.)

200 Queens Quay East, Unit #1, Toronto, Ontario, Canada, M5A 4K9
(Address of Principal Executive Offices)

Registrant's Telephone Number: 416-362-2121

(Former name and former address, if changed since last Report)

Securities Registered under Section 12(b) of the Exchange Act: None.

Securities Registered under Section 12(g) of the Exchange Act: Common Stock, \$0.001 Par Value

Indicate by check mark if the issuer is not required to give reports pursuant to Section 13 or 15(d) of the Exchange Act.

Indicate by check mark whether the Issuer (1) filed all reports required to be filed by Section 13 or 15(d) of the Exchange Act during the past 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 if disclosure of delinquent filers in response to Item 405 of Regulation S-B is not contained in this form, and no disclosure will 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, or a smaller reporting company. See the definitions "large accelerated filer," "accelerated filer," and "smaller reporting

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company” in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted 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 and post such files). Yes No

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

Issuer’s revenues for its most recent fiscal year: June 30, 2011 = \$4,426,436

As of December 31, 2010 there were approximately 20,465,426 shares of our common voting stock held by non-affiliates having a market value of approximately \$6,446,609 on such date. Without asserting that any director or executive officer of the issuer, or the beneficial owner of more than five percent of the issuer’s common stock, is an affiliate, the shares of which they are the beneficial owners have been deemed to be owned by affiliates solely for this calculation.

As of September 23, 2011, there were 29,345,571 shares of common stock of the Issuer outstanding.

American Rare Earths and Materials, Corp.

10-K for the Year Ended June 30, 2011

Table of Contents

PART I		
ITEM 1.	DESCRIPTION OF BUSINESS	3
ITEM 1A	RISK FACTORS	11
ITEM 1B	UNRESOLVED STAFF COMMENTS	14
ITEM 2.	DESCRIPTION OF PROPERTY	14
ITEM 3.	LEGAL PROCEEDINGS	14
ITEM 4.	REMOVED AND RESERVED	14
PART II		
ITEM 5.	MARKET FOR COMMON EQUITY AND RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES	14
ITEM 6	SELECTED FINANCIAL DATA	15
ITEM 7.	MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS	15
ITEM 7A	QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK	19
ITEM 8.	FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA	19
ITEM 9.	CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE	19
ITEM 9A	CONTROLS AND PROCEDURES	19
ITEM 9B	OTHER INFORMATION	20
PART III		
ITEM 10.	DIRECTORS, EXECUTIVE OFFICERS, AND CORPORATE GOVERNANCE	20
ITEM 11.	EXECUTIVE COMPENSATION	21
ITEM 12.	SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS	25
ITEM 13.	CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS AND DIRECTOR INDEPENDENCE	26
ITEM 14.	PRINCIPAL ACCOUNTANT FEES AND SERVICES	26
ITEM 15.	EXHIBITS	28
SIGNATURES		31
FINANCIAL STATEMENTS		F-1

PART I

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION

Under the Private Securities Litigation Reform Act of 1995, companies are provided with a “safe harbor” for making forward-looking statements about the potential risks and rewards of their strategies. Forward-looking statements often include the words “believe,” “expect,” “anticipate,” “intend,” “plan,” “estimate” or similar expressions. In this Form 10-K, forward-looking statements also include:

- statements about our business plans;
- statements about the potential for the development and public acceptance of new products;
- estimates of future financial performance;
- predictions of national or international economic, political or market conditions;
- statements regarding other factors that could affect our future operations or financial position; and
- other statements that are not matters of historical fact.

These statements may be found under “Management’s Discussion and Analysis or Plan of Operations” and “Description of Business” as well as in this Form 10-K generally. Our ability to achieve our goals depends on many known and unknown risks and uncertainties, including changes in general economic and business conditions. These factors could cause our actual performance and results to differ materially from those described or implied in forward-looking statements.

These forward-looking statements speak only as of the date of this Form 10-K. We believe it is in the best interest of our investors to use forward-looking statements in discussing future events. However, we are not required to, and you should not rely on us to, revise or update these statements or any factors that may affect actual results, whether as a result of new information, future events or otherwise. You should carefully review the risk factors described in other documents we file from time to time with the Securities and Exchange Commission, and also review our Quarterly Reports on Form 10-Q.

ITEM 1. DESCRIPTION OF BUSINESS

General

American Rare Earths and Materials, Corp. (the “Company,” “AREM,” “we,” “us” or terms of similar meaning) is in the forefront of commercializing advanced materials and Rare Earths. Rare Earths, are a collection of seventeen chemical elements in the periodic table occupying slots 21, 39 and 57-71, and include scandium, yttrium, and the fifteen lanthanides. Based upon its experience, AREM is positioned to provide solutions in extraction, sourcing, alloying, manufacturing and application development of certain of the Rare Earths, advanced metals, composites and chemical materials. The business platform is to provide a reliable supply of certain Rare Earths, which is supported by increased use of these materials in consumer and industrial applications. AREM to date has been a leader in the application of Scandium in the sports industry with its Scandium Alloy golf products, and has developed and/or commercialized advanced biofiber fishing equipment and Zeroloft Aerogel insulation for apparel and footwear. The business direction for AREM is to expand its revenue base to include extraction and sale of Rare Earths and development of products for consumer and industrial markets, in order to capitalize on the vertical integration that AREM has developed.

The company has historically been focused on selected consumer markets including golf equipment and fishing products for the sporting goods industry. In 2010, the company began to offer advanced materials products (Zeroloft Aspen Aerogels) also for the sporting goods industry. The company is now working to extend its capabilities beyond

consumer markets and explore opportunities in industrial markets. This includes industries that use Rare Earths including aerospace, alternative energy, automotive, power transmission, shipbuilding, and transportation. American Rare Earths and Materials, Corp. is committed to becoming America's best and most reliable source for Rare Earths and to fully leverage the global mega-trends in these categories.

Business Strategy

Since 2002, American Rare Earths and Materials, Corp. has been commercializing a number of advanced materials, including Scandium, biofiber and aerogel. This has led to the development of a unique value chain that includes the extraction of Rare Earths, the development of patented Rare Earth metal super alloys (Scandium Super Alloys), and the design and manufacture of end products (golf equipment, fishing products, and insulation for apparel and footwear) using these materials. When AREM began this process in 2002, the commercial use of Rare Earths was relatively small. Today, commercial applications for Rare Earths have grown significantly and Rare Earths have become a critical strategic resource for industry even though the overall volume of Rare Earth metal production is still small (estimated 123,000 tons in 2006). Applications for Rare Earths include:

- Hybrid Vehicles
- Electric Motors
- Wind Turbines
- Thin Film Solar Technology
- Medical Laser Technology

- Military Applications
- Sports Equipment

Hybrid vehicles such as the Toyota Prius are heavy users of Rare Earths including Dysprosium, Lanthanum, Neodymium, Praseodymium, and Terbium. Each electric motor in the Prius requires 1 kilogram (2.2 lb) of neodymium and each battery uses 10 to 15 kg (22-33 lb) of lanthanum. These numbers are expected to double under new plans to boost fuel economy even further. In addition, demand for Rare Earths is expected to increase as Toyota increases sales of the Prius from 100,000 in the US in 2009 to an estimated 200,000+ in 2010. Toyota believes that the ultimate market for the Prius in the US is 1 million units sold each year. In addition to hybrid vehicles, Rare Earths are used as battery alloys, magnets, catalysts, and other new applications in a wide range of other industries.

AREM has determined that its 9 year experience in extraction, production and applications of the Scandium and advanced materials, it has unique expertise in Rare Earths domain. The Company has relationships, partnerships, and proprietary expertise that can be applied to markets beyond consumer products and sporting goods equipment. The Company has the ability to solve challenging problems related to the extraction of Rare Earths. The Company believes it has untapped expertise in Rare Earths and their manufacturing that can be applied to industrial markets. This represents a new opportunity for growth. This new opportunity will build upon and leverage the Company's expertise in commercializing Rare Earths for sporting goods.

As such, the business strategy for the Company is to:

- acquire or form a strategic partnership with a company currently engaged in metals and/or Rare Earths resource segment
 - explore new opportunities in Rare Earths including the application of unique extraction technologies
 - explore new opportunities in other metals where the Company has proprietary knowledge and capabilities
 - expand applications of the Company's patented Scandium Super Alloys
- offer products to large industrial categories where Rare Earths and other metals can be applied including aerospace, alternative energy, automotive, power transmission, shipbuilding, and transportation
 - continue to grow the Company's products and revenues in the sporting goods market
- continue to grow the Company's brands in the sporting goods market including E21, CARROT STIX™ and other brands
 - expand beyond retail stores and individual consumers and pursue large industrial Fortune 500 customers

American Rare Earths and Materials, Corp. is committed to becoming America's best and most reliable source for Rare Earths and advanced materials to fully leverage the global mega-trend in the Rare Earths marketplace.

Sporting Goods Industry

AREM currently has three fully developed sporting goods product lines: (1) fishing products; (2) Zeroloft Aspen Aerogels – sport wear apparel and footwear and related sports specialty items; (3) golf equipment;. The Company has determined that it currently operates in one reportable segment: outdoor sporting goods.

The US sporting goods (equipment) manufacturing industry includes about 1,800 companies with combined annual revenue of about \$13 billion. Large companies include Callaway Golf Company; Easton-Bell Sports; the Spalding division of Russell Brands; ICON Health & Fitness; Rawlings Sporting Goods; and Wilson Sporting Goods. The industry is concentrated: the 50 largest companies account for about 60 percent of industry revenue. The US retail sporting goods industry includes about 20,000 companies with combined annual revenue of about \$35 billion. Large chain operators include Academy, Cabela's, Dick's Sporting Goods, Hibbett Sports, REI, and The Sports Authority. The industry is fragmented: the 50 largest companies account for less than 50 percent of revenue. Only about 170

companies have more than five stores.

Roughly \$7 billion each year is spent on hunting and fishing equipment, making this industry somewhat larger than the \$5.5 billion golf equipment market. In general, the demographics of an aging population have reflected a flattening of the hunting and fishing category. Sales of licensed guns increased substantially just prior to the 2008 election and have continued strong since that time. Fishing licenses have grown 5% in 2009 in 12 key states that participate in the American Sport Fishing Association's license sales index. Counterintuitively, industry watchers believe that both hunting and fishing categories have been propelled by the recession due in part to consumers facing under-employment and unemployment now have more time to pursue hunting and fishing. The overall result has been that spending on hunting and fishing equipment has grown 22% from 2005-09 according to Mintel Group. Industry experts believe that the market will continue to grow robustly into 2010.

The overall golf industry is a \$60 billion market. Approximately \$5.5 billion each year is spent on golf equipment, with roughly half of that coming from the key U.S. market. Metal woods alone account for \$1 billion in annual sales. The explosion of oversized clubs in 1992, titanium clubs in 1995, and multi-metal undersized clubs has proven that innovative designs and new materials promising improved performance are quickly embraced by the consumer and offer tremendous marketing advantages for the innovating companies. Companies such as Adams, with its patented Tight Lies® fairway woods grew from \$2 million in sales to over \$100 million between 1995 and 1997. However, since the introduction of titanium, there have been no significant introductions of new materials into the golf equipment market. Advances in shaft design/composition have been refinements of existing technology. It is common knowledge within the community of golf professionals that the most important part of the performance of any club is the shaft, and the easiest way to improve performance is with a better shaft quality. From a retail perspective, there are 2,000 golf-only stores as listed by The National Golf Foundation's ("NGF") Directory of Golf Retailers: Off-Course Golf Retail Stores in the U.S. This does not include on-course stores for which The NGF has over 16,000 listed golf courses in the U.S. Additionally, there are a significant number of multi-line Sporting Goods stores such as Dick's and Sport Authority that sell golf equipment, there are golf-only internet-based retailers and multi-line sporting goods internet-based retailers that sell golf equipment.

Zeroloft Insulation as an integrated solution for the needs of the estimated \$2.4 billion worldwide sports apparel and footwear market. Hanesbrands use over \$200 million in insulation products annually. Management believes its early focus will be on seeking distribution relationships with larger worldwide apparel and footwear manufacturers that are leaders in their categories or known for their state-of-the-art products.

Fishing Products

On June 21, 2007, the Company entered into a non-exclusive, world-wide License with Advanced Light Alloys Corporation (“Advanced”) by which Advanced licensed AREM to make, use, and sell a line of fishing equipment utilizing certain of Advanced’s patents.

The Company hired a fishing rod designer to provide fishing rod designs for the market. Several new SKUs of fishing rods were created to be marketed under the E21 Fishing brand. The initial designs consisted of the ‘Carrot Stix’ design in both casting and spinning rod variations. The CARROT STIX™ Casting Rod measures 6’9” with a parabolic action and is used for crankbaits, top water, spinner baits and jerk baits. The CARROT STIX™ Spinning Rod is a 6’7” medium action spinning rod, ideal for tubes, worms, grubs, and small crank baits, etc. This rod is also used for walleye fishing. To date, over 90 product SKU’s have been designed in the Carrot Stix line of products, which represents AREM’s complete line of rods.

AREM’s CARROT STIX™ represents the latest in cutting edge technology. Nano level cellulose bio-fibers are extracted from carrots, processed into a super high strength epoxy matrix and then this matrix is molded around a thin walled ultra high modulus graphite skeleton. When the two materials bond they create what we believe to be the finest rod blank ever made, unparalleled in its light weight, sensitivity, strength and performance.

Another first for CARROT STIX™ is a Finite Element Analysis (FEA) program that was used to design the blank. By using FEA, “Hot Spots”, or areas in the blanks that show a high propensity for breakage, are identified and removed. This allows for the creation of a blank that is evenly stressed when loaded, thereby reducing the potential of failure. The blank is bonded to a fully exposed grip, for full contact with the rod. This set up is found on both spinning and casting models.

Each CARROT STIX™ is hand made using the highest quality components and meticulous attention to detail. The butt on each are a removable anodized Scandium butt cap, providing easy access to the rod’s weight port and allowing for personalized balancing to individual specs and comfort. When we add new Caxin Lite guides with TiCH inserts, frames and our “Maximum Exposure” split reel seats, we believe we deliver to the consumer one of the finest competition rods ever built.

At the 2007 ICAST show, the Company won a trifecta of awards:

- Best Freshwater Rod;
- Best Saltwater Rod;
- Overall Best Product In Show.

At the 2008 ICAST show AREM won:

- Best Apparel with the introduction of its Carrotex™ line of outdoor apparel.

In the summer of 2008, AREM appeared at the 2008 ICAST show with a full line of fishing rods, each developed with a nano-bio-fiber technology blank. The original product line was developed with 15 separate product SKUs and has now increased to 94 product SKUs. In early 2008, AREM engaged 3 of the industry’s sales representation agencies. Taken in combination with the company’s internal sales team, these sales groups began providing representation to the entire US (including Alaska and Hawaii) as well as all of Canada. During the last year, through the various channels

AREM has grown its North American accounts to over 700 locations.

In 2009, AREM introduced:

- New fishing rod guides made from Rare Earths (Scandium)
- AREM fishing products to more retailers with the number of retailers carrying AREM fishing products reaching 370

These new retailers included Bass Pro, Cabelas, Academy, West Marine, Sportsman's Warehouse, and Gander Mountain.

New distributors included Big Rock, Farris Brothers, Pitman Creek, Patches, Bishop, Hicks and Sports Supply. As a result, AREM was ranked #1 as the Fastest Growing Company in Canada by Profit Magazine with three-year sales growth of 1918% and worldwide distribution.

At the 2010 ICAST show, AREM introduced:

- New micro-guided fishing rods

At the 2011 ICAST show, AREM introduced:

- Wild Black Freshwater Micro-Guided fishing rods
- Wild Green Inshore Saltwater Micro-Guided fishing rods

AREM has now entered the fast-growing micro guide fishing segment with both a refinement of the original AREM micro lineup, but also two entirely new lines of micro-guided rods: professional grade and value-priced. The Company has also contracted top pro-staffers to represent, use and test Carrot Stix technology. The Company focuses on top pros who the Company believes will help us with brand awareness and sales. Our pro-staffers currently include the following:

- 1) Henry Wazczuk, with over 25 years on TV, and a media distributor across Canada and the USA, Henry is the host of the popular Fins and Skins, and Fishing the Flats series;
- 2) Chad Morgenthaler – A former firefighter and now a fulltime Professional Bass Angler with over 14 top 20 finishes
- 3) Matt Greenblatt – is an accomplished professional angler. Matt has been a fixture on the FLW Tour and is now a BassMaster Elite Series Pro.
- 4) Russell Lane – Bassmaster Elite Series Professional Angler that has been a fixture in the Bassmaster Elite series for the last 8 years.
- 5) Greg Vinson – Bassmaster Elite Series Professional Angler that has qualified for the 2012 Bassmaster Classic.

ZeroLoft Aspen Aerogels™ Products

In the 1930s American chemical engineers invented one of the world's lightest known solids by drying a form of silicon dioxide under intense pressure and high temperature. The new invention – aerogels – was initially used in selected chemical applications and came to be seen as an excellent insulator of both heat and cold and ultimately used by NASA as an insulation material in space suits and for the Mars Rover. Commercialization for the consumer apparel market has been slow. Aspen Aerogels, a spinoff from NASA contractor Aspen Systems, developed aerogels insulation materials for the oil industry and other selected heavy industries. AREM had experimented with nanotechnology based processes that could be applied to a several different types of technologies, including aerogels, and the two companies have worked together to develop Zeroloft Aspen Aerogels™.

In 2010, AREM announced that Russell Outdoors, a leader in the hunting apparel and outdoor sportswear industry, will debut several hunting apparel products using Zeroloft Aspen Aerogels™ insulated apparel. Russell Outdoors new hunting apparel is low weight with reduced bulk and thickness as well as ultimate performance under compression. AREM also announced that Hanesbrands Inc. will unveil cutting edge technology apparel made with Zeroloft Aspen Aerogels™ insulation. The new “super-suit” from Hanesbrands was used in a Spring 2010 expedition of Mount Everest by world-class mountain climber Jamie Clarke. AREM is working with other sports apparel and sports equipment makers for additional applications of the new Zeroloft Aspen Aerogels™ technology. This includes CamelBak, the maker of sports water bottles. In 2010, AREM announced the launch of a new series of products with CamelBak.

Golf Equipment and Products

AREM is focusing on the distribution of golf equipment components made from Rare Earths (Scandium) primarily to Original Equipment Manufacturers and specialty club fitting centers. The components include Scandium shafts and heads. The market for golf shafts has been estimated to be close to 30 million units in the US and 60 million units worldwide, with the size of the market for high performance premium shafts at 27 million units worldwide. This is the target market for the Company. AREM's proprietary Scandium metal alloy golf products have outstanding potential in the industry based on the following factors:

- The results of player and robotic testing (Golf Labs) indicate Scandium's improved performance over leading titanium, steel and graphite clubs and shafts, providing increased distance and less dispersion. This allows longer more accurate golf performance that can be achieved with current metals and manufacturing techniques.
- Scandium metal alloy can be engineered to provide AREM's trademarked ShockBlok™ benefits (see below)
 - 55% reduced density and 25% specific strength advantage over titanium alloys.
 - Scandium is softer than titanium providing superior feel and workability for the player.
- Scandium is lower in cost and easier to fabricate than titanium and 75% reduced density compared to stainless steel.
 - Significant cost and performance advantages over composite materials such as graphite.
- Scandium has excellent fatigue resistance and Scandium is weldable with extremely high consistency of manufacture to extremely tight tolerances. This feature, particularly in golf shafts, is of utmost importance in providing a set of clubs that play consistently, one to the other.

On average, based on the robotic testing conducted by the Golf Labs of San Diego and player testing, the AREM Scandium Alloy shaft registers substantially longer distance than any other shaft it tested against, in some cases by as much as 16 yards at identical swing speeds, using identical 6 iron heads for the test.

Concurrent with the development of the overall shaft design, the Company has developed a shock absorbing system under the trademark ShockBlok™ which redirects shaft vibration back into the club head, generating an added energy kick for extra distance and reducing the amount of vibration transfer to the player's hands. Hitting a golf ball with a conventional, steel-shafted club can have a negative effect on the body. High shock energy transferred by the steel shafts to the player's hands during a round of golf creates fatigue. For frequent golfers, this may lead to stress injuries to a player's hands, wrist, elbows or shoulders, much like 'tennis elbow'. According to an analysis commissioned by a consultant to the Company, Dr. Howard Butler, along with two orthopedic physicians, during a typical round of golf, the extra energy transmitted to the hands of a golfer using steel shafts is 300% higher than Scandium shafts. Over the last 5 years of consumer and professional golf tour player testing, the Company's experience has shown that most users of its shafts would immediately notice the superior shock absorption provided by Scandium shafts and that Scandium also contributes to a measurably superior feel as compared with steel and graphite clubs. However, since the restructuring of the company goals, golf component sales have been put on hold.

Specialty Metals and the Rare Earths Industry

In emerging markets, an industrial revolution is underway driving the growth of global mining production. In developed markets and mature industries, the demand for specialty metals has increased as engineers look for new advantages, new capabilities, and new opportunities for better, faster, more efficient, and more effective new products. In addition, the challenges in the energy industry, including higher prices and a changing global climate, have increased development of alternative energy technologies.

Rare Earths have unique properties that can help solve many of these challenges. Rare Earths can operate as a catalyst to improve efficiency or as an extreme magnetic agent in batteries and engine technologies or as a powerful amplifier of image visualization. Elements such as Cerium, Dysprosium, Europium, Lanthanum, Neodymium, Praseodymium, Samarium, Terbium, Yttrium and others are becoming strategically important to Aerospace & Defense, Alternative Energy, Automotive, Consumer Electronics, Medical Technology, and other key industries. Global production of Rare Earth metal oxide, estimated to be 123,000 tons in 2006, is projected to be 188,000 tons in 2012 – although many experts believe the growth in hybrid cars and various consumer electronics could drive demand for Rare Earths to be in excess of 200,000+ tons. Any serious growth in alternative energy including solar power, wind power, and other alternative energy technologies will drive demand for Rare Earths even higher.

The challenge for industries who want to use Rare Earths is that 95% of Rare Earth metal mining and production is in China. This globally dominant position is the result of a long term strategy by the Chinese government and industry to leverage aggressive mining tactics, low labor costs, selected acquisitions, and low pricing strategies. In August, 2010 the Wall Street Journal reported that China will decrease Rare Earth global shipments by 72% for the second half of this year. Industry watchers expect this to be a prelude to a strategy by China to force manufacturers to set up Rare Earth processing plants in China.

The result is there is global strategic interest in developing non-Chinese sources of Rare Earths. In the U.S., the General Accounting Office issued a report in April 2010 on the subject: Rare Earth Materials in the Defense Supply Chain and concluded that defense systems will likely continue to depend on Rare Earth materials and that China's dominant position in the Rare Earths market gives it market power which could affect global Rare Earth supply and prices. A more detailed study on the US Military dependence on Rare Earths is expected to be completed in September 2010. In addition, both Sen. Lisa Murkowski, R-Alaska, and U.S. Rep. Mike Coffman, R-Colorado, have introduced legislation to address the strategic risk to the United States military and to American industry given a lack of domestic production of Rare Earth elements. There are several mining operations in North America and Australia that are working to develop the facilities and technologies required to effectively extract Rare Earths. In summary, the market for Rare Earths is growing and the need for expertise and non-Chinese based sources of Rare Earths is urgent.

New Products and Projects in Development

AREM has overcome scientific, engineering, and metallurgical challenges in working to commercialize Rare Earths since 2002. The company has built a global value chain that extends from Rare Earths extraction to refining to production of end products. The result is a strong foundation of proprietary expertise in Rare Earths. AREM is now working to establish a position in the industrial market for Rare Earths beyond sporting goods. These new products and projects from AREM are in development. They include:

- New Rare Earth metal extraction technologies
- New sources of Rare Earths
- New applications of the company's patented Rare Earth metal Scandium super alloys
- New opportunities in mining and refining of other metals

AREM is interested in pursuing projects that generate strong revenue growth and return on investment. This includes mining projects where the company's unique expertise can provide a strategic advantage. The company is working on a wide range of opportunities and expects to announce new products, projects, and partnerships in late 2010 and into 2011.

Company History

AREM was originally formed as OIA, Inc., a Delaware corporation, in 1986. In 1992, the Company changed its name to Biorelease Corp., and was engaged in the business of biotechnology from 1992 through 1995. From mid-1995 through September, 2001, the Company sponsored a number of early-stage ventures. In June 2001, the Company changed its name from Biorelease Corp. to BRL Holdings, Inc.

In September, 2002, we acquired 100% of the outstanding common stock of BRL Holdings, Inc (BRL), a Delaware corporation, in exchange for 2,123,621 restricted shares of our common stock (“the Acquisition”). We also converted options to acquire 321,600 shares of BRL common stock into options to acquire 321,600 shares of our common stock. This Acquisition was accounted for as a “reverse” acquisition using the purchase method of accounting, since the shareholders of the Company owned a majority of the outstanding stock of BRL immediately following the Acquisition. Following the Acquisition, we changed our name to Element 21 Golf Company. Upon completion of the Acquisition, the previous officers and directors of the Company resigned.

Element 21 was formed on September 18, 2002 to acquire partially-developed golf technology to further design, develop and bring to market golf club shafts and golf heads made from a patented scandium alloy licensed exclusively (the “E21 Alloy”) to the Company. The exclusive license to produce and sell the E21 Alloy for golf club shafts and golf heads is founded on two US patents (Scandium alloy US Patent #5,597,529 and sports applications — US Patent #5,620,652. These rights do not cover all mixes of scandium alloy; however, the Company believes that any scandium alloy mix outside the range of its patent-protected rights cannot be used to produce golf club shafts or heads in an economically feasible manner. The exclusive golf license carries zero royalty. The active ingredient in the E21 Alloy is Scandium, which is element number 21 in the Periodic Table of Elements. E21 Alloy shafts exhibit properties that out-perform titanium with a higher strength-to-weight ratio of up to 25% and a specific density advantage of 55%. The E21 Alloy is lighter, stronger and more cost effective than titanium. This advanced metal technology was originally developed in the 1970’s in the former Soviet Union for military applications. Scandium alloys have been used in intercontinental ballistic missiles, jet aircraft, the Mir space station and most recently, in the International Space Station.

On April 25, 2008, in conjunction with shareholders’ approval, the Company effected a reverse split of the Company’s common stock, issuing 1 new common share for every 20 common shares issued and outstanding prior to this date. Coincident with this reverse split, the Company also changed its ticker symbol to ETGF.OB.

The Company has commercialized scandium’s use in the golf industry with a line of golf shafts and clubs. During the past two years, the Company has developed an updated and improved product line of drivers, irons, hybrids, shafts and golf bags using proprietary materials and production techniques.

In June, 2007 the Company began an expansion into recreational fishing equipment. On June 21, 2007, the Company entered into a non-exclusive, world-wide license agreement with Advanced Light Alloys Corporation (“Advanced”) by which AREM was licensed by Advanced to make, use, and sell fishing equipment utilizing certain of Advanced’ technology and products. The Company is obligated to pay a 20% royalty based on the net selling price of all fishing products. AREM has expanded its fishing distribution to 700 store fronts, including:

- Chain stores – Bass Pro, Gander Mountain, Academy, Cabelas, Sportsman’s Warehouse and Dick’s Sporting Goods.
- Distributors to independent dealers – Hicks, Big Rock, Simmons, Farris Brothers, Sportsman’s Supply and Pitman Creek
 - Internet dealers – Tacklewarehouse and Tackle Direct
 - Buying groups for independent dealers – Nation Best Sports

In May 2008, the Company signed a three year licensing agreement with Kanata Shaft Company, LLC (“Kanata”), whereby the Company granted Kanata the exclusive right to market and distribute the Company’s golf shafts in the United States. Kanata agreed to purchase a minimum of \$4,120,000 scandium shafts over the term of the contract. As of June 30, 2009, Kanata total orders were \$289,338, which is below the minimum requirement of \$600,000 set by the first year contract terms. Because of the minimum order shortfall, Kanata’s exclusivity has been terminated. See, Part I, Item 1A Risk Factors and Part II, Item 9B Other Information regarding the termination of exclusivity under the distribution agreement with Kanata.

Recent Events

1. Amending the Designation of Series B Preferred Stock

On June 7, 2011, the Company filed with the Secretary of State of the State of Nevada a Certificate of Designation, amending the Designation of Series B Preferred Stock contained in Section 4 of its Articles of Incorporation filed on May 10, 2010. In connection with the Amendment, each Series B Preferred Stock is convertible into 17 shares (formerly 5.57 shares) of Common Stock. In addition, the right of Series B Preferred Stockholders to approve certain transactions and certain issues of securities including but not limited to certain mergers, acquisitions, liquidations, sales of equity securities that are senior to the Series B Preferred Stock or the issuance of debt instruments in excess of \$1,000,000 was removed.

2. Name changed to American Rare Earths and Materials, Corp. from Element 21 Golf Company

On July 12, 2010, the Company changed its name to American Rare Earths & Materials Corp. in order to reflect the expansion of its core business beyond sporting goods and golf equipment and into industrial markets where the Company will apply its expertise in the extraction and production of Rare Earths and other metals for large industrial companies. Scandium is the 21st element of the Periodic Table and to date has been the main commercialization focus of Element 21 Golf Company. However, the Company has expertise that can be applied to other Rare Earth elements and other metals and materials. As such, the new company name reflects a broader mission and a broader range of products that will be forthcoming.

3. Re-domestication of the Company from Delaware to Nevada

The reincorporation of the Company from Delaware to Nevada on July 12, 2010 eliminates our obligation to pay the annual Delaware franchise tax which we expect will result in significant savings to us over the long term. For tax year 2007, we only paid \$1,250. Following the reverse split of the Company's Common Stock in April 2008, on a 1 for 20 basis, there was a reduction in the number of shares issued and outstanding but not the number of shares authorized. Consequently, we were required to pay \$19,922 in 2008, \$22,153 in 2009; and required to pay approximately \$1,757 prorated for the 2010 tax year to the State of Delaware for annual franchise tax obligations. In the State of Nevada, our current annual filing fee in the State of Nevada is expected to be approximately \$275.

4. Zero-Loft Aspen Aerogels

On January 14, 2010, AREM signed an exclusive agreement for the licensing and distribution of Zeroloft Aspen Aerogels™ Insulation for sports applications including apparel and footwear. Aspen Aerogels™ superior insulation technology has been recognized as one of the Top 10 Nanotech Products by Forbes Magazine in 2005 and has even been used by NASA for insulating astronauts in space. Its applications in the sports apparel and footwear industry are vast as it has scientific and market tested data verifying that it increases thermal protection more than two to twelve times that of traditional insulation fillers such as down or polyester fiber. Additionally, it can provide a weight savings of as much as 80% when compared to traditional insulation. In 2010, AREM announced that Russell Outdoors, Hanesbrands Inc. and CamelBak will each launch new products for the sports apparel and sports equipment marketplace based on the Zeroloft Aspen Aerogels™ technology.

Raw Material Supply

For its product lines, AREM sources Scandium, Biofiber and Aerogel.

The raw material that goes into the production of Scandium comes from scandium oxide, which has about 60% scandium metal content. Scandium oxide is used in the production of a "master alloy," which is then added to nine other metals and other alloy ingredients to create a concentration of approximately 0.001% - 10.00 % scandium in the final alloy used in products. This is known as Scandium, which has the technical advantages needed for production of high performance equipment for sports, transportation, military and aerospace applications and is the subject of our patents.

Aspen Aerogels™ materials have been used as the base material to develop applications in apparel, footwear and various industrial applications. Aerogel is a silica based material produced through a patented process and licensed exclusively to AREM.

Sales and Marketing

AREM has developed the following business platforms:

1. Consumer goods, sold to consumers via retail distribution channels,
2. Business to business sales of components that are used in production of the consumer and industrial goods, and
3. Raw material supplier and licensor of extraction and manufacturing technologies.

Our developed products and commercialization efforts have provided the Company with several sales and marketing options. These options include the sale of golf shafts and components to other original golf equipment manufacturers (OEMs) and to custom club fitters, in addition to the sale of drivers, irons and hybrids via traditional retail distribution channels. Technology Licensing — limited licenses to off-shore golf component manufacturers, is another viable sales development strategy.

As part of its sales initiative, the Company established a new call-in and customer service center, full assembly facilities, warehousing, and shipping and receiving capabilities. All business data generated is integrated into a comprehensive computerized tracking / database management solution. This integrated system provides access to key information specific to running large-scale operations tailored to our needs as a sports equipment company. The Company has created a very cost-effective solution that will be highly scalable in order to manage future growth. The Company continues to use the warehousing and shipping facilities for both golf and fishing sales and distribution.

In June 2008, AREM signed a multi-year agreement with Kanata Shaft Company LLC (“Kanata”), in Ohio whereby Kanata had committed to aggregate orders of \$4.1 million over its term, and gave Kanata exclusive rights to distribute AREM Scandium shafts in the USA. This exclusivity part of the contract was terminated, as Kanata did not meet the minimum order requirements. The removal of exclusivity, will allow AREM to expand its Scandium components distribution, with Kanata being one of the customers, rather than the only North American customer. See, Part I, Item 1A Risk Factors and Part II, Item 9B Other Information regarding the termination of the distribution agreement with Kanata. Since the restructuring of the company goals, golf component sales have been put on hold.

The Company has created promotional support to increase brand awareness and reinforce the unique nature of its proprietary Carrot Stix™ and Scandium Metal Alloy clubs and shafts. Items of support include the following:

Endorsement Contracts in both Golf and Fishing – We have engaged some of the top names in each industry, including, Jeff Reynolds, Chad Morgenthaler, Matt Greenblatt, Henry Waszczuk, Russell Lane and Greg Vinson.

TV advertising on several national networks as well as targeted fishing ads on the Outdoor Network and World Fishing Network, among others.

TV programming with long-standing programs for fishing. Such programs include Fins and Skins, Fishing the Flats, The Reel Road Trip, among others. These offerings will be expanded through the World Fishing Network in the coming season.

Email Campaigns: At several strategic points in the market cycle of each industry, AREM has undertaken a widespread email marketing campaign, sending recipients a listing of specials as well as product information for the company's award winning lineup. These broadcasts are coupled with special landing pages to enhance the customers' experience and provide them with more information.

The Company has an exclusive agreement for the licensing and distribution of Zeroloft Aspen AerogelsTM for sports and apparel applications and a non-exclusive agreement for industrial applications. We have been working with customers such as Russell Athletics, Hanesbrands and Camelbak and a number of companies in the industrial sector to develop applications and expand volume of insulation used. For example, Hanesbrands used over \$200 million of insulation material in their apparel each year. As part of the marketing effort to provide visibility to the Zeroloft insulation, AREM together with Hanesbrands developed a alpine suites that were used to climb Mount Everest in the spring of 2010. The new technology was featured in the Fast Magazine (February 2010 issue) and in the Forbes (June 2010 issue).

Operations and Management

Through strategic relationships the Company has been able to create vertical integration, which includes material sourcing, alloying, and proprietary manufacturing paths for production of semi-finished and finished golf components, engineering, design, and sales.

Pursuant to the Company's exclusive manufacturing agreement with its manufacturing partners, the Company provides the raw materials and trains the manufacturers' personnel in the production of the various product lines.

In order to sustain and better service the great demand for its products, AREM utilizes the services of Professional Marketing Associates (PMA), a fulfillment warehouse based in Arizona. The Company's entire inventory is managed through this location, which provides specialized computer systems that track all logistics transactions. This system further allows to company to measure trends and align future projections and development.

To date, the Company has four full time employees and a number of strategic consultants. The combination of key employees and consulting staff significantly reduces overhead expenses in the areas of marketing, administration and development and allows us to be responsive to fluctuations in the marketplace that have plagued other start-up companies.

The model of vertical integration is continuing in fishing and Zeroloft products which include materials sourcing, engineering, product design and development, manufacturing, and marketing and sales.

Corporate Finance

During the 2011 fiscal year, one investor exercised warrants for \$110 resulting in the issuance of 110,000 common shares. Funds were received and included in financing activity on cash flow statement.

The Company entered into an unsecured promissory note of \$825,000 on May 27, 2008 with a stated interest rate of 10% and a repayment date of November 1, 2008. During the twelve months ended June 30, 2011, the Company repaid \$350,000 (2010 - \$325,000, 2009 - \$150,000) of the loan and \$141,952.63 (2010 - \$0, 2009 - \$0) of the accrued interest. The remaining unpaid balance as of June 30, 2011 was \$0 (2010 - \$350,000, 2009 - \$675,000).

Status of Any Publicly Announced New Product or Service

The Company's website, at www.americanrare.com, www.e21sports.com, www.e21golf.com, www.e21fishing.com www.carrotstix.com contains its press releases and financial reports as well as independent test results of the Company's shafts and rods against the leading high-performance products in the world. For additional information or earlier press releases go to any website's financial bulletin board for American Rare Earths and Materials, Corp. (OTCBB AREM).

Competitive Business Conditions

The Company's competition are companies that provide other materials that are used in the sporting goods industry, both in equipment and apparel uses. These materials include steel, titanium, graphite, thinsulate, primaloft and others. Even though many of these competitors currently have greater resources, marketing capabilities and name recognition, they do not have access to the technologies and materials that AREM is offering. For this reason, in a number of applications AREM is working to become a materials and component supplier to the OEM in various industries, where these materials offer performance advantages to the current materials. In addition, the Company's exclusive licenses and proprietary extraction and manufacturing paths have precluded the competitors (to date) from developing lines of products using AREM's materials.

The Company has an exclusive agreement for the licensing and distribution of Zeroloft Aspen Aerogels™ for sports and apparel applications and a non-exclusive license for industrial applications. AREM has developed production know how which allows the use of Zeroloft in new applications that were previously inaccessible.

Patents, Trademarks, Licenses, Franchises, Concessions, Royalty Agreements or Labor Contracts

The Company does not hold direct title to any patents. However, AREM is in the process of expanding its initial exclusive license applications in golf to all applications listed in the U. S. Patent Nos. 5,597,529 and 5,620,662, Although these rights do not cover all mixes of Scandium alloy, and do not cover production or sales outside the US, the Company believes that any Scandium alloy outside the range of its patent protected rights cannot be used to produce industrial and consumer products in an economically feasible manner. The U. S. Patent Nos. 5,597,529 issued on January 28, 1997, and 5,620,662, issued on April 15, 1997, initially filed by Ashurst Technologies, Inc. are now held by the Advance Light Alloys, the current licensor to AREM.

On June 21, 2007, the Company entered into a non-exclusive, world-wide license with Advanced Light Alloys Corporation (“Advanced”) by which AREM was licensed by Advanced to make, use, and sell fishing equipment utilizing certain of Advanced’ technology and product development. The Company is obligated to pay a 20% royalty based on the net selling price of all fishing products.

Research and Development

During the fiscal years ended 2011 and 2010 there were no research and development costs incurred by the Company. To date, the Company has relied on its consultants and their existing infrastructure to develop its initial products and has reflected these costs as operating costs.

ITEM 1A RISK FACTORS

Risk Factors

We have a limited operating history and a history of substantial operating losses and we may not be able to continue our business.

We have a history of substantial operating losses and an accumulated deficit of \$37,686,569 as of June 30, 2011 and negative working capital of \$4,140,970. For the year ended June 30, 2011, our net loss was \$6,207,600. We have historically experienced cash flow difficulties primarily because we have been till recently a development stage company and our expenses have exceeded our revenues. We expect to incur additional operating losses for the immediate near future; however, we may be able to generate positive cash flows from operations within the next 12 months. These factors and uncertainties, among others, raise substantial doubt about our ability to continue as a going concern. If we are unable to generate sufficient revenue from our operations to pay expenses or we are unable to obtain additional financing on commercially reasonable terms, our business, financial condition and results of operations will be materially and adversely affected.

We will need additional financing in order to continue our operations which we may not be able to raise.

We will require additional capital to finance our future operations. We can provide no assurance that we will obtain additional financing sufficient to meet our future needs on commercially reasonable terms or otherwise. If we are unable to obtain the necessary financing, our business, operating results and financial condition will be materially and adversely affected.

We have only five employees and our success is dependent on our ability to retain and attract consultants to operate our business and there is no assurance that we can do so.

As of June 30, 2011, we had five employees and utilize the services of consultants. Our consultants are bound by non-compete provisions; however, they are not otherwise prohibited from terminating their consulting relationship with the Company. Once we are sufficiently capitalized, we will need to recruit new executive managers and hire employees to help us execute our business strategy and help manage the growth of our business. Our business could suffer if we were unable to attract and retain additional highly skilled personnel or if we were to lose any key personnel and are unable to find appropriate replacements in a timely manner.

Our performance depends on market acceptance of our products and we cannot be sure that our products are commercially viable.

We expect to derive a substantial portion of our future revenues from the sales of metals and Rare Earths in addition to the current sales of, fishing rod sales and Zeroloft management fees and royalties that are only now entering the initial marketing phase. Although we believe our products and technologies will be commercially viable, these are new and untested products. If markets for our products fail to develop further, develop more slowly than expected or are subject to substantial competition, our business, financial condition and results of operations will be materially and adversely affected.

We depend on strategic marketing relationships and if we fail to maintain or establish them, our business plan may not succeed.

We expect our future marketing efforts will focus in part on developing business relationships with distributors that will market our products to their customers. The success of our business depends on selling our products and technologies to a large number of distributors and retail customers.

Competition from traditional sports equipment providers may increase and we may not be able to adequately compete.

The market for fishing rods and specialized apparel is highly competitive. There are a number of other established providers that have greater resources, including more extensive research and development, marketing and capital than we do and also have greater name recognition and market presence. These competitors could reduce their prices and thereby decrease the demand for our products and technologies. We expect competition to intensify in the future, which could also result in price reductions, fewer customer and lower gross margins.

Rapidly changing technology and substantial competition may adversely affect our business.

Our business is subject to rapid changes in technology. We can provide no assurances that research and development by competitors will not render our technology obsolete or uncompetitive. We compete with a number of companies that have technologies and products similar to those offered by us and have greater resources, including more extensive research and development, marketing and capital than we do. If our technology is rendered obsolete or we are unable to compete effectively, our business, operating results and financial condition will be materially and adversely affected.

Litigation concerning intellectual property could adversely affect our business.

We rely on a combination of trade secrets, trademark law, contractual provisions, confidentiality agreements and certain technology and security measures to protect our trademarks, license, proprietary technology and know-how. However, we can provide no assurance that competitors will not infringe upon our rights in our intellectual property or that competitors will not similarly make claims against us for infringement. If we are required to be involved in litigation involving intellectual property rights, our business, operating results and financial condition will be materially and adversely affected.

It is possible that third parties might claim infringement by us with respect to past, current or future technologies. We expect that participants in our markets will increasingly be subject to infringement claims as the number of services and competitors in our industry grows. Any claims, whether meritorious or not, could be time-consuming, result in costly litigation and could cause service upgrade delays or require us to enter into royalty or licensing agreements. These royalty or licensing agreements might not be available on commercially reasonable terms or at all.

On September 4th, 2009, we terminated the exclusive distribution agreement that we had with Kanata Shaft Company LLC (“Kanata”).

At this time we are without an exclusive distributor of our golf products. Although we have resumed our direct relationships with the OEM manufacturers and other large wholesale and retail distributors of our products, and we have a website-based sales capability, if we are unable to replace Kanata with another exclusive distributor, our revenues from the sale of golf shafts, clubs and other products may decline, which could have a material adverse affect on our ability to grow our golf related business and, in turn, may have a material adverse affect on our ability to continue golf related operations.

Defects in our products may adversely affect our business.

Complex technologies such as the technologies developed by us may contain defects when introduced and also when updates and new products are released. Our introduction of technology with defects or quality problems may result in adverse publicity, product returns, reduced orders, uncollectible or delayed accounts receivable, product redevelopment costs, loss of or delay in market acceptance of our products or claims by customers or others against us. Such problems or claims may have a material and adverse effect on our business, financial condition and results of operations.

The inability to obtain a sufficient amount of scandium or of scandium alloy or other Rare Earths and Zeroloft Aspen would adversely affect our business.

Although we currently believe that we will continue to be able to have access to sufficient amounts of scandium or scandium alloy at feasible prices, there is no assurance of this, and any failure to be able to obtain a sufficient supply of scandium at reasonable prices would have a material adverse affect on our business.

We have only one supplier for Zeroloft Aspen Aerogels and any failure to be able to obtain a sufficient supply at reasonable prices would have a material adverse affect on our business.

The large number of shares eligible for public sale could cause our stock price to decline.

The market price of our common stock could decline as a result of the resale of the shares of common stock issuable upon conversion of our Series A Preferred Stock, Series B Preferred Stock and any outstanding convertible promissory notes and the exercise of outstanding warrants or the perception that these sales could occur. These sales also might make it more difficult for us to sell equity securities in the future at a time and price that we deem appropriate. The conversion of these securities into common stock will also result in substantial dilution of the interests of our current stockholders.

Our stock price can be extremely volatile.

Our common stock is traded on the OTC Bulletin Board. There can be no assurance that an active public market will continue for the common stock, or that the market price for the common stock will not decline below its current price. Such price may be influenced by many factors, including, but not limited to, investor perception of us and our industry and general economic and market conditions. The trading price of the common stock could be subject to wide fluctuations in response to announcements of our business developments or our competitors, quarterly variations in operating results, and other events or factors. In addition, stock markets have experienced extreme price volatility in recent years. This volatility has had a substantial effect on the market prices of companies, at times for reasons unrelated to their operating performance. Such broad market fluctuations may adversely affect the price of our common stock.

Trading on the OTC Bulletin Board may be sporadic because it is not a stock exchange, and stockholders may have difficulty reselling their shares.

Our common stock is quoted on the OTC Bulletin Board. Trading in stock quoted on the OTC Bulletin Board is often thin and characterized by wide fluctuations in trading prices, due to many factors that may have little to do with our operations or business prospects. Moreover, the OTC Bulletin Board is not a stock exchange, and trading of securities on the OTC Bulletin Board is often more sporadic than the trading of securities listed on the NASDAQ SmallCap.

If we fail to remain current on our reporting requirements, we could be removed from the OTC Bulletin Board which would limit the ability of broker-dealers to sell our securities and the ability of stockholders to sell their securities in the secondary market.

Companies trading on the OTC Bulletin Board, such as us, must be reporting issuers under Section 12 of the Securities Exchange Act of 1934, as amended, and must be current in their reports under Section 13, in order to maintain price quotation privileges on the OTC Bulletin Board. If we fail to remain current on our reporting requirements, shares of our common stock could be removed from the OTC Bulletin Board. As a result, the market liquidity for our securities could be severely adversely affected by limiting the ability of broker-dealers to sell our securities and the ability of stockholders to sell their securities in the secondary market.

Our common stock is subject to the “penny stock” rules of the SEC and the trading market in our securities is limited, which makes transactions in our stock cumbersome and may reduce the value of an investment in our stock.

The Securities and Exchange Commission has adopted Rule 15g-9 which establishes the definition of a “penny stock,” for the purposes relevant to us, as any equity security that has a market price of less than \$5.00 per share or with an exercise price of less than \$5.00 per share, subject to certain exceptions. For any transaction involving a penny stock, unless exempt, the rules require that a broker or dealer approve a person's account for transactions in penny stocks and the broker or dealer receive from the investor a written agreement to the transaction, setting forth the identity and quantity of the penny stock to be purchased.

In order to approve a person's account for transactions in penny stocks, the broker or dealer must obtain financial information and investment experience objectives of the person and make a reasonable determination that the transactions in penny stocks are suitable for that person and the person has sufficient knowledge and experience in financial matters to be capable of evaluating the risks of transactions in penny stocks.

The broker or dealer must also deliver, prior to any transaction in a penny stock, a disclosure schedule prescribed by the Commission relating to the penny stock market, which, in highlight form sets forth the basis on which the broker or dealer made the suitability determination and that the broker or dealer received a signed, written agreement from the investor prior to the transaction.

Generally, brokers may be less willing to execute transactions in securities subject to the "penny stock" rules. This may make it more difficult for investors to dispose of our common stock and cause a decline in the market value of our stock.

Disclosure also has to be made about the risks of investing in penny stocks in both public offerings and in secondary trading and about the commissions payable to both the broker-dealer and the registered representative, current quotations for the securities and the rights and remedies available to an investor in cases of fraud in penny stock transactions. Finally, monthly statements have to be sent disclosing recent price information for the penny stock held in the account and information on the limited market in penny stocks.

We do not expect to pay dividends on our common stock.

We have not declared dividends on our common stock since our incorporation and we have no present intention of paying dividends on our common stock. The Company is prohibited from paying dividends on common stock as long as there are any unpaid accrued dividends due to the Series B Convertible Stock shareholders.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

ITEM 2. DESCRIPTION OF PROPERTY

The Company's offices are located at 200 Queens Quay East, Unit #1, Toronto, Canada. Our office space measures a total of approximately 1,927 square feet. We entered into a four year lease that ends in May, 2013. Our minimum rent is \$12 per sq. ft. from June 1st 2009 to March 31st 2010 (\$23,124 Canadian dollars per annum) which decreases to \$4.5 per sq.ft. From April 1, 2010 to May 31, 2013 (\$8,672 Canadian dollars per annum) plus additional rent for property taxes and operations and maintenance.

The Company's inventory is currently managed by Professional Marketing Associates ("PMA"), located in Tempe, Arizona. PMA provides complete assembly facilities, warehousing, and shipping and receiving capabilities.

ITEM 3. LEGAL PROCEEDINGS

In March 2010, John Grippo, the former CFO of the Company, and John Grippo Inc. ("Plaintiffs") filed suit against the Company in the Superior Court in the County of Westchester, New York. The Plaintiffs are seeking in excess of \$75,000 in damages and prejudgment interest related to allegations involving breach of contract. The Company believes the claim is without merit and is vigorously defending the lawsuit and has filed a counterclaim in excess of \$375,000 plus costs. On March 13, 2010, the Plaintiffs obtained a temporary restraining order over our bank accounts held at JP Morgan Chase and Bank of America which hold cash of \$78,198 at June 30, 2011.

In June 2010, Rick Smith Enterprises, Inc. ("Plaintiff"), filed a complaint against the Company in the Circuit Court of the Ninth Judicial Circuit of the State of Florida in and for Orange County Civil Division. The Plaintiff is seeking cash of \$175,000 and shares of common stock of the Company valued at \$175,000 plus costs and interest for allegations involving breach of contract. The Plaintiff is also seeking additional cash of \$100,000 and shares of common stock of the Company valued at \$100,000 for alleged continuing and anticipatory breach of contract. The action is in its very preliminary stages. As a result, we are unable to estimate a potential loss or range of loss, if any, at this time.

ITEM 4. REMOVED AND RESERVED

PART II

ITEM 5. MARKET FOR COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Market Information

There has never been any established trading market for our shares of common stock and there is no assurance that a trading market will develop. Our common stock is presently quoted on the Over-the-Counter Bulletin Board ("OTCBB") of the National Association of Securities Dealers under the symbol "AREM" as reflected below. No assurance

can be given that any market for our common stock will develop in the future or be maintained. If an established trading market ever develops in the future, the sale of our common stock pursuant to Rule 144 of the Securities and Exchange Commission, or otherwise, by members of our management or others may have a substantial adverse impact on any such market.

The range of high and low bid quotations for our common stock during each of the last two fiscal years and the most recent interim quarter is shown below. Prices shown in the table below represent inter-dealer quotations, without adjustment for retail markup, markdown, or commission, and do not necessarily represent actual transactions.

	High	Low
Fiscal Year Ended June 30, 2010		
First Quarter	\$ 0.65	\$ 0.30
Second Quarter	\$ 1.04	\$ 0.41
Third Quarter	\$ 1.04	\$ 0.45
Fourth Quarter	\$ 0.78	\$ 0.24
Fiscal Year Ended June 30, 2011		
First Quarter	\$ 0.41	\$ 0.11
Second Quarter	\$ 0.51	\$ 0.20
Third Quarter	\$ 0.34	\$ 0.15
Fourth Quarter	\$ 0.27	\$ 0.11
Interim Period Ended September 6, 2011	\$ 0.13	\$ 0.09

Holders

The number of record holders of our common stock as of September 6, 2011 was approximately 5,162.

Dividends and Stock Splits

We have not paid any cash dividends on our common stock, and it is not anticipated that any cash dividends will be paid in the foreseeable future. The Board of Directors intends to follow a policy of using retained earnings, if any, to finance our growth. The declaration and payment of dividends in the future will be determined by the Board of Directors in light of conditions then existing, including our earnings, if any, financial condition, capital requirements and other factors.

Recent Sales of Unregistered Securities

During the three months ended June 30, 2011, the Company issued 250,000 shares of its common stock to consultants for services rendered and to be rendered by them and for an aggregate value of \$62,500. The shares were issued in reliance on exemptions from registration pursuant to Section 4(2) of the Securities Act of 1933, as amended (the "Act"). At April 1, 2011, the Company issued 253,916 shares of its common stock valued at \$60,000 to the holders of the Series B Stock for accrued dividends through March 31, 2011.

ITEM 6. SELECTED FINANCIAL DATA

Not applicable.

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Overview

Since 2002, our Company has been commercializing Rare Earths and advanced materials. This led to a vertical integration that began with the extraction of pure Scandium and other Rare Earths applications in the form of

extruded, rolled or forged products and components. Today, that expertise has positioned us to become a leader in commercializing Rare Earths and advanced materials and quickly delivering revolutionary new products to consumer and industrial markets. Our objective is to become North America's best, most reliable source for Rare Earths and provide solutions to their applications. We are developing opportunities to distribute Rare Earths like Scandium, Neodymium, Europium and Lithium that will help major industries launch major industrial brands such as hybrid cars, flat screen televisions, LED light bulbs and wind turbines. We will also have significant exposure to large market categories such as transportation, shipbuilding, power transmission, automotive and aerospace.

The first products manufactured using the Company's proprietary golf technology have been produced and the Company commenced distribution to wholesalers and retail markets during the last quarter of its fiscal year ended June 30, 2006. In June, 2007 the Company expanded its sales into recreational fishing equipment.

In January 2010, the Company entered into a Trademark License, Product Distribution Agreement and Management Agreement with Zeroloft Corp. Within the field of sportswear apparel, footwear and related sports specialty items, the Company obtained: (i) an exclusive license to the Zeroloft Aspen Aerogels trademarks; and (ii) a limited, worldwide, exclusive right to distribute the products bearing the Zeroloft Aspen Aerogels Trademark for production and sales of items in such field. The License Agreement has a term of five years, which term is automatically renewable for one year terms.

Our business, financial condition, cash flows and results from operations are subject to seasonality resulting from factors such as weather and spending patterns. Due to seasonality of our business, one quarter's results are not indicative of the full fiscal year's expected financial results. A majority of our revenue is earned in the third and fourth quarters of the year and revenues generally decline in the first and second quarters.

Going Concern Status

Our financial statements have been prepared on a going concern basis which contemplates the realization of assets and the liquidation of liabilities in the ordinary course of business. The Company has incurred substantial losses from operations and it has negative operating cash flow which raises substantial doubt about its ability to continue as a going concern. The Company sustained a net loss of \$6,207,600 for the fiscal year ended June 30, 2011 and an accumulated deficit of \$37,686,569.

We intend to continue our investment in the development of our Rare Earths business and other business lines, but we do not have sufficient realized revenues in order to finance these activities internally. As such, we intend to seek capital in order to fund our working capital and capital expenditure needs. We can provide no assurance that we will be able to obtain sufficient additional funds to develop and sustain our businesses and alleviate doubt about our ability to continue as a going concern. We cannot be certain that additional funds, even if available, will be on acceptable terms. To the extent the Company raises additional funds by issuing equity securities, our stockholders may experience significant dilution. Any debt financing, if available, may involve restrictive covenants that impact our ability to conduct business.

The consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

Results of Operations

Years Ended June 30, 2011 and 2010

For the year ended June 30, 2011, the Company had revenue of \$4,426,436 which includes non-cash barter revenue of \$25,671 and reimbursement of out-of-pocket costs incurred on behalf Zeroloft Corp. of \$1,592,616, which is an increase of 2% over the prior year's revenues of \$4,341,362 which includes non-cash barter revenue of \$58,802. This increase is primarily the result of an increase in the reimbursement of out-of-pocket costs incurred on behalf of Zeroloft and sales of Zeroloft products of \$1,167,193 in current period. This increase in revenue is offset by decreases in our fishing and golf sales from the prior year of \$933,252 and \$148,867, respectively.

For the year ended June 30, 2011, the Company incurred costs of sales of \$2,849,691, which is an increase of 9% over the prior year's costs of sales of \$2,606,199. This increase is primarily the result of an impairment charge on golf inventory of \$349,534 in the current period.

For the year ended June 30, 2011, the Company incurred general and administrative expenses of \$7,780,313, which is an increase of 28% of general and administrative expenses for the prior year of \$6,086,881. Included in general and administrative expense is a non-cash charge of \$863,653 representing the value of compensatory common stock and warrants for services provided by consultants, representing a decrease in these non-cash charges over the prior year period of \$3,031,736. The increase in general and administrative expenses is primarily the result of an impairment charge of \$3,140,944 of an intangible asset. The intangible asset was for consideration paid to Zeroloft Corp. to enter into a License Agreement. The unamortized balance of the intangible asset was determined to be impaired at the end of the third quarter of the current fiscal year because we did not reach our sales forecasts in the second and third quarters and due to production delays of Zeroloft products.

For the year ended June 30, 2011, the Company recognized interest income of \$297, and incurred interest expense of \$4,329, as compared to interest income of \$1,725, and interest expense of \$127,571, for the prior year period. These expenses decreased during the current year primarily as a result of the conversion of convertible debt into shares of common stock in the prior period and payment in full of outstanding principal and interest of a loan payable to shareholder in the current period. The reduction in these outstanding debts resulted in the decrease in interest expense.

Accordingly, for the year ended June 30, 2011, the Company had a net loss of \$6,207,600, as compared with the year ended June 30, 2010 in which the Company had a net loss of \$4,477,564, or an increase of 39%, as a result of the increase to impairment charges for golf inventory and intangible asset in the current year period.

The Company has expanded its number of stock-keeping units or SKUs in the fishing rods segment to over 100 SKUs with new lines.

Our net accounts receivable balances were \$492,240 and \$789,920 at June 30, 2011 and 2010, respectively. The decrease in accounts receivable compared to June 30, 2010 is primarily due to decrease in fishing sales during the fiscal year 2011. The Company is subject to risk of non-payment of its trade accounts receivable. For the year ended June 30, 2011, three customers (which was as of 2010, two customers) respectively represent approximately 36%, 15% and 13% of sales (which was as of 2010, 23% and 10%) and 31%, 25% and 8% (which was as of 2010, 29% and 13%) of the total outstanding accounts receivable. Management continually monitors its credit terms with customers to reduce credit risk exposure.

Our accrued receivable balances were \$0 and \$554,143 at June 30, 2011 and 2010, respectively. The accrued receivable resulted from an agreement with Zeroloft Corp. to reimburse \$554,143 of out-of pocket costs incurred by us as at June 30, 2010. As was agreed the total expenditures of \$111,231 paid in cash by AREM at June 30, 2010 was reimbursed in cash by Zeroloft Corp. and total expenditures paid in stock-based compensation of \$442,912 by AREM at June 30, 2010 was applied to reduce the liability 'Due to Zeroloft Corp.'

Our net inventory balances were \$536,716 and \$919,158 at June 30, 2011 and, 2010. The decrease in our inventory balance is due to an increase in our provision for inventory obsolescence from \$542,195 to \$891,730 during this year. The provision relates to golf equipment and components. Our inventory comprises golf and fishing products and components. We concentrate our new purchases of inventory on where we anticipate our future sales; golf shafts and our best selling SKUs. During the year we were successful in placing our fishing rods in Dick's Sporting Goods, which increased its distribution from 13 trial stores to a current 70 stores.

Our royalty payable and accrued expenses were in total \$4,056,463 and \$3,514,585 at June 30, 2011 and 2010, respectively. The increase in the balances is primarily due to unpaid royalties to Advanced Light Alloys and unpaid compensation to senior management. The royalty is calculated as 20% of the net selling price of fishing products sold by the Company and any sub licensee.

Liquidity and Capital Resources

The Company has negative working capital as of June 30, 2011 of \$4,140,970. The Company retains consultants to perform development and public company reporting activities in exchange for stock of the Company. At June 30, 2010, we had a working capital deficiency of \$124,889. Our working capital deficiency is due to unpaid royalties and unpaid management compensation. Our continuation as a going concern will require that we raise significant additional capital. Included in accrued expenses is \$1,942,806 owed by the Company to the President (which was at June 30, 2010, \$1,795,746). There is no assurance that consultants will continue to accept stock compensation for services. If consultants discontinue accepting stock compensation we may not be able to continue to retain the services of such consultants.

During the year ended June 30, 2011, the Company sold a redeemable guaranteed investment certificate for \$250,000, which resulted in receiving \$251,875 including accrued interest of \$1,875 and repaid loan payable-shareholder of \$350,000.

On November 1, 2010, 110,000 warrants were exercised at \$0.001 per share of common stock resulting in the Company receiving \$110.

Absent continued stock payment for services to our consultants and continued advances by stockholders of the Company, the Company cannot manufacture its golf shaft or fishing product lines or market its products based on its technologies or continue as a going concern.

In consideration for the License Agreement, the Company issued to Zeroloft 4,444,444 of shares of common stock of the Company valued at \$2,888,888 on January 14, 2010 and, at the sole discretion of Zeroloft, it will either: (i) issue an additional \$1 million worth of Shares, at the then market price; or make installment payments of \$200,000 per year for five years. Pursuant to the License Agreement, the Company shall have the right to sublicense and shall pay to Zeroloft a royalty of 50% of the net license revenue resulting from the manufacture, distribution or sale of products by sublicensees. Since payments of royalties only arrive upon the occurrence of sales, the Company expects that royalty payments will not have a negative effect on its revenues and it will have sufficient liquidity to meet its obligation.

On January 14, 2010, the Company entered into a Management Agreement with Zeroloft (“Management Agreement”) pursuant to which the Company will render services for the operation and expansion of Zeroloft’s manufacturing and licensing of its proprietary, Zeroloft Aspen Aerogels™ branded weather-resistant fabric, product made of such fabric, thermal insulation and related insulating fabrics in the field of use. In consideration for providing such services, the Company will receive a management fee of approximately: (i) five percent (5%) on gross receipts of sales of items made of Zeroloft product with a value of less than two (2) US dollars per square foot, less royalties; and (ii) ten percent 10% on gross receipts of sales of items made of Zeroloft product with a value greater than two (2) US dollars per square foot from sales made through the efforts of the Company. For the year ended June 30, 2011, the Company has generated revenue of \$264,386 from royalties, management fees, product and services related to Zeroloft product and \$1,592,616 of revenue for recovery of out of pocket costs from Zeroloft Corp. The terms of our contract with our Zeroloft customers require a prepayment which will cover our expected upfront costs.

Although the Company has previously been able to raise capital as needed, such capital may not continue to be available at all, or if available, that the terms of such financing will not be dilutive to existing stockholders or otherwise on terms not favorable to the Company or existing stockholders. Further, the current global financial situation may offer additional challenges to raising the required capital. If the Company is unable to secure additional capital, as circumstances require, it may not be able to continue operations.

If adequate funds are not available or not available on acceptable terms, we may be unable to continue operations; develop, enhance and market products, retain qualified personnel; take advantage of future operations; or respond to competitive pressures, any of which could have a material adverse effect on our business; operating results; financial condition and/or liquidity.

With the introduction of new materials in fishing and apparel markets, Element 21 changed its name from Element 21 Golf Company to American Rare Earths and Materials, Corp. on July 12, 2010 expanding our market designation from golf, fishing and recreation products to materials and their applications. In addition, Element 21 re-domesticated from the State of Delaware to the State of Nevada. The Element 21 brand name, Carrot Stix, and all related consumer brands will remain as is. The Company has a new corporate master brand and it will expand its portfolio of products to provide metals and materials.

Recent Accounting Pronouncements

See Note 1 (r) “Recent Accounting Pronouncements” in the Notes to Consolidated Financial Statements for a full description of recent accounting pronouncements, including the expected dates of adoption and estimated effects on results of operations and financial condition, which is incorporated herein.

Critical Accounting Policies

The Company’s discussion and analysis of its financial condition and results of operations are based upon the Company’s consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States. The preparation of these consolidated financial statements requires the Company to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses and related disclosure of contingent assets and liabilities. The Company bases its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

The Company believes the following critical accounting policies affect its more significant judgments and estimates used in the preparation of its consolidated financial statements.

Stock-Based Compensation

The Company follows FASB ASC Subtopic 718, Stock Compensation, for accounting for stock-based compensation. Compensation cost is calculated on the date of the grant using the Black Scholes-Merton option-pricing formula. The compensation expense is then amortized over the vesting period. The Company uses the Black-Scholes-Merton option-pricing formula in determining the fair value of the Company’s options at the grant date and applies judgment in estimating the key assumptions that are critical to the model such as the expected term, volatility and forfeiture rate of an option. The Company’s estimate of these key assumptions is based on historical information and judgment regarding market factors and trends.

For non-employee stock-based compensation, the Company follows ASC Topic 505 – Equity-Based Payments to Non-Employees, which requires stock-based compensation related to non-employees to be accounted for based on the fair value of the related stock or options or the fair value of the services on the grant date, whichever is more readily determinable in accordance with ASC Topic 718.

Allowance for Doubtful Accounts

The Company maintains allowances for doubtful accounts for estimated losses resulting from the inability of its customers to make required payments. If the financial condition of the Company’s customers were to deteriorate, resulting in an impairment of their ability to make payments, additional allowances may be required, which would be charged against earnings.

Product Warranty

The Company reserves for the estimated cost of product warranties at the time revenue is recognized based on historical claim experience and any additional future costs on previously sold products. Our liability incorporates the cost of product replacement, packaging and freight charges. Our current warranty relates entirely to fishing rods on which we generally provide a lifetime warranty. Considerable judgment is used to determine the estimate. If actual costs differ significantly from our estimates, the Company would record the impact of these unforeseen costs in subsequent periods.

Income Taxes

As part of the process of preparing our consolidated financial statements, we are required to estimate our income taxes in each of the jurisdictions in which we operate. This process involves estimating the actual current tax liabilities together with assessing temporary differences resulting from differing treatment of items for tax and accounting purposes. These differences result in deferred tax assets and liabilities, which are included within the consolidated balance sheet. The most significant tax assets are available net operating loss carryforwards. We must then assess the likelihood that the deferred tax assets will be recovered from future taxable income and, to the extent we believe that recovery is not likely, a valuation allowance must be established. To the extent we establish a valuation allowance or increase or decrease this allowance in a period, the impact will be included in the tax provision in the statement of operations. Significant management judgment is required to determine our provision for income taxes and the recoverability of the deferred tax asset. It is based on our estimates of future taxable income by jurisdiction in which we operate and the period over which the deferred tax assets will be recoverable. In the event that actual results differ from these estimates or we adjust these estimates in future periods, a valuation allowance may need to be established which could result in a tax provision equal to the carrying value of the deferred tax assets.

Inventories

Inventory consists primarily of goods held for resale and their components. Inventory is stated at the lower of cost or market with cost determined using the weighted-average method. In evaluating whether inventory is stated at the lower of cost or market, management considers such factors as the amount of inventory on hand and in the distribution channel, estimated time required to sell such inventory, remaining shelf life and current and expected market conditions, including levels of competition. As appropriate, a provision is recorded to reduce inventory to its net realizable value.

Intangible Asset Subject to Amortization

The Company evaluates its long-lived assets for indicators of possible impairment. Intangible assets subject to amortization held and used by the Company is reviewed for impairment whenever events or changes in circumstances indicate that its net book value may not be recoverable. When such factors and circumstances exist, the Company compares the projected undiscounted future cash flows associated with the related asset or group of assets over their estimated useful lives against their respective carrying amounts. Impairment, if any, is based on the excess of the carrying amount over the fair value of those assets and is recorded in the period in which the determination was made.

Inflation

Our opinion is that inflation has not had, and is not expected to have for the current year, a material effect on our operations.

Climate Change

Our opinion is that neither climate change, nor governmental regulations related to climate change, have had, or are expected to have for the current year, any material effect on our operations.

Subsequent Events

Subsequent to period end, the Company issued 3,195,114 shares of its common stock to consultants for an aggregate value of \$356,794 based on the quoted market price of the shares at time of issuance.

On July 1, 2011, the Company issued 368,158 shares of its common stock to holders of Series B Stock for accrued dividends of \$60,000 through to June 30, 2011.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Not applicable.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

The Consolidated Financial Statements and schedules that constitute Item 8 are attached at the end of this Annual Report on Form 10-K.

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

ITEM 9A. CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

Disclosure controls and procedures are controls and other procedures that are designed to ensure that information required to be disclosed by the Company and its subsidiary in the reports it files or submits under the Securities Exchange Act of 1934 (the "Exchange Act") is recorded, processed, summarized, and reported within the time periods specified by the Commission's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to provide reasonable assurance that information required to be disclosed the Company in the reports it files or submits under the Exchange Act is accumulated and communicated to management, including the Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. Based on their evaluation as of June 30, 2011, our management, including the Chief Executive Officer and Chief Financial Officer, has concluded that our disclosure controls and procedures (as defined in Rule 13a-15(e) and 15d-15(e) under the Exchange Act) were effective.

Management’s Annual Report on Internal Control Over Financial Reporting

Our management, including the Chief Executive Officer and Chief Financial Officer are responsible for establishing and maintaining an adequate system of internal control over financial reporting, as such term is defined in Exchange Act Rules 13a -15(f) and 15d-15(f). Our internal control system was designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes, in accordance with accounting principles generally accepted in the United States of America. All internal control systems, no matter how well designed, have inherent limitations. Because of these inherent limitations, internal control over financial reporting may not prevent or detect all misstatements. Our management, including the Chief Executive Officer and Chief Financial Officer, has conducted an evaluation of the effectiveness of its internal control over financial reporting as of June 30, 2011 based on the framework in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on our evaluation under the criteria set forth in Internal Control – Integrated Framework, our management concluded that our internal control over financial reporting was effective as of June 30, 2011.

Attestation Report of the Registered Public Accounting Firm

This annual report does not include an attestation report from our registered independent public accounting firm, regarding internal control over financial reporting. Management’s report was not subject to attestation.

Changes in Internal Control over Financial Reporting

There were no changes in our internal controls over financial reporting during our last fiscal quarter that have materially affected, or are 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

Identification of Directors and Executive Officers

The following table sets forth the names and the nature of all positions and offices held by all directors and executive officers of our Company for the fiscal year ended June 30, 2011, and the period or periods during which each such director or executive officer has served in his or her respective positions.

Name	Age	Position with the Company	Date of Election or Designation
Nataliya Hearn, Ph.D.	44	Chairman, President, CEO and Director	October 4, 2002
Philip Clark	48	CFO	October 12, 2009
Mary Bryan	59	Director	March 15, 2007
Errol Farr	50	Director	June 16, 2009
Werner Zapfe	57	Director	June 19, 2009

Term of Office

The term of office of the current Directors shall continue until the annual meeting of our stockholders, which is scheduled in accordance with the direction of the Board of Directors. The annual meeting of our Board of Directors immediately follows the annual meeting of our stockholders, at which officers for the coming year are elected.

Business Experience

Dr. Nataliya Hearn, Ph.D., P.Eng. — Chairman, President and CEO

Dr. Hearn has been affiliated with the Company since September 2002. She has been selected as a director based on her extensive experience in technology evaluation, development, and transfer and technology acquisition. Dr. Hearn has been responsible for the development, design and production of the AREM high performance Scandium golf products. She is responsible for assembling the Company's current team of experts. Dr. Hearn holds a Ph.D. in Civil Engineering from University of Cambridge. Associated Professor University of Windsor (1999-2008). Ex-Board member of Mg Industries (MAA.V TSX) (resigned 2008).

Page 20

Mary Bryan – Director

Ms. Bryan currently is a consultant for Links Magazine and Bob Betterton Sports Marketing, and is a representative for State Farm Insurance. Ms. Bryan brings to AREM, as a director, a multi-faceted 30 year background in the golf industry that includes 25 years on the LPGA and Senior LPGA Tours, TV/radio golf announcing on major networks, and teaching and conducting golf clinics in the U.S. and around the world. She has served as a tour representative for various companies and has been involved in numerous charity golf fundraisers. Ms. Bryan also has experience with public speaking and working with the media. Ms. Bryan has performed over 300 golf telecasts for CBS, NBC and ESPN and was the first woman to cover a men's major golf event. Her teaching experience includes the position of Administrator and Teacher at Carol Mann Golf Schools for Golf Magazine and as Assistant Golf Professional at Paradise Hills Country Club in Albuquerque NM.

Errol Farr – Director (Head of Audit Committee)

Mr. Farr presently is the President and CEO of ADEX Mining Inc. ("ADEX"), which is listed on the TSX Venture Exchange. Mr. Farr was originally hired as the CFO of ADEX in 1999. ADEX is a mining company developing the Mount Pleasant mineral property in New Brunswick. Mr. Farr also serves as the President and CEO of Outlook Resources Inc., also a TSX Venture Exchange listed resource company. From 1999 to 2008, Mr. Farr was the Chief Financial Officer of Magindustries Corp., a TSX Venture Exchange listed resource company with potash, magnesium and forestry projects in the Republic of Congo. Mr. Farr, as a director, brings to AREM financial expertise and knowledge of the mining sector.

Werner Zapfe - Director (Head of Compensation Committee)

Mr. Zapfe has been the owner of Fourseason Drywall Inc. for the past 45 years and the owner of Camdon Glass for the past 30 years, both highly successful construction companies in Toronto, Canada. Mr. Zapfe currently serves as Chairman of the Good Sheppard Centre, President of the Interior Contractor's Association and as a Director of Dinor Resources (TSX-V: DOR). Mr Zapfe, as a director, brings to AREM a distinguished business career, a mining background and business connections which will assist the Company in raising new capital.

Philip Clark, CA, CPA, CFA — Chief Financial Officer

Philip Clark is a Chartered Accountant and Certified Public Accountant with over twenty years experience in public accounting. From 2005 to 2008, Mr. Clark was a senior manager and partner of Danziger Hochman Partners LLP. From 1992 to 2005, Mr. Clark was a manager, then Partner, and then Managing Partner of Mackay Landau, Chartered Accountants. He has also served as Audit Committee Chair and Director of a Canadian crown corporation. Mr. Clark has experience accounting and auditing SEC registrants, Canadian public companies, government entities and owner managed businesses. He articulated with Ernst & Young, Chartered Accountants, and received a Bachelor of Commerce degree (Honours) from McMaster University in 1986. Philip Clark was hired as an executive officer on October 12, 2009.

Audit Committee

The Board of Directors serves as the Company's audit committee. Director Errol Farr qualifies as a "financial expert" pursuant to Item 401 of Regulation S-B, and the Audit Committee is comprised solely of independent directors.

Compliance with Section 16(a) of the Exchange Act

An executive officer and director of the Company was late with their Form 3 and Form 4 filings. However, there were no delinquent Form 3 or Form 4 filings that were not covered by a Form 5 filing for the fiscal year. Additionally, the Company is not aware of any Section 16(a) filings that were required to have been made that were not made.

Code of Ethics

The Company adopted a Code of Business Conduct and Ethics for its principal executive officer and principal financial officer. The Board of Directors approved adoption of Code of Conduct and Ethics on June 11, 2010.

ITEM 11. EXECUTIVE COMPENSATION

The following table sets forth in summary form the compensation of the Company's current Chief Executive Officer and each other executive officer that received total salary and bonus exceeding \$100,000 since its inception ("Named Executive Officers").

Summary Compensation Table

The following table sets forth the aggregate executive compensation paid by our Company for services rendered during the periods indicated (each person is referred to in this Item 10 as a “Named Executive Officer”).

SUMMARY COMPENSATION TABLE

Name And Principal Position (a)	Years of Periods Ended (b)	Annual Compensation			Long-Term Compensation			
		Salary (\$) (c)	Bonus (\$) (d)	Other Annual Compensation (\$) (e)	Restricted Stock Awards (\$) (f)	Options (\$) (g)	Warrants (\$) (h)	Total (\$) (i)
Nataliya Hearn, PhD, President, CEO and Director (1)	06/30/11	249,617	0	0	0	0	50,824	300,441
	06/30/10	248,116	0	15,000	126,000	0	135,803	524,919
	06/30/09	240,000	0	36,523	0	0	0	276,523
Philip Clark, CA, CPA, CFA Chief Financial Officer (2)	06/30/11	57,402	0	11,740	0	0	38,786	107,928
	06/30/10	0	0	19,867	0	25,939	81,686	127,492

(1) Nataliya Hearn serves as the CEO and President of the Company. Dr. Hearn began serving as an executive officer of the Company on October 4, 2002. Beginning January 1, 2006, at Dr. Hearn’s election, she could elect to receive monthly either \$15,000 cash compensation or \$20,000 in warrants at a purchase price of \$0.20 per share. In 2008, the Board of Directors approved renewal of Dr. Hearn’s contract to serve as President and CEO of AREM. Also in 2008, the Company granted Dr. Hearn a warrant to purchase 200,000 common shares at a purchase price of \$1.60 per share. Under the terms of the contract renewed in 2008, Dr. Hearn has the option of cash compensation of \$20,000 in cash/stock or warrants per month. In addition, Dr. Hearn receives a bonus of 200,000 warrants each year priced at \$0.12 per share in 2010 and 2011 on January 1 of each year. Dr. Hearn earned \$28,917, \$83,116 and \$69,617 in cash compensation for the years ended June 30, 2009, 2010 and 2011, respectively. Dr. Hearn received 200,000, 200,000 and 200,000 warrants at a purchase price of \$0.12 per share in 2009, 2010 and 2011 valued at \$26,560, \$135,803 and \$50,824 for the years ended June 30, 2009, 2010 and 2011, respectively. Dr. Hearn’s current three year contract expires December 31, 2011.

(2) Philip Clark was hired as an executive officer on October 12, 2009. Mr. Clark earned \$19,867 and \$30,142 in cash compensation for the years ended June 30, 2010 and 2011, respectively, and \$81,686 and \$38,786 in warrants for the years ended June 30, 2010 and 2011, respectively and \$25,939 in options for the year ended June 30, 2010. Mr. Clark received 75,000 warrants on February 17, 2010 with an exercise price of \$0.60, 75,000 warrants on April 1, 2010 with an exercise price of \$0.62, 75,000 warrants on July 1, 2010 with an exercise price of \$0.25, 75,000 warrants on October 1, 2010 with an exercise price of \$0.30 and 63,000 options on May 17, 2010 with an exercise price of \$0.50. On January 3, 2011, the Company repriced warrants to purchase 225,000 shares of common stock. The exercise price of 75,000 warrants originally issued on February 17, 2010 was reduced from \$0.60 per share to \$0.29 per share. The exercise price of 75,000 warrants originally issued on April 1, 2010 was reduced from \$0.62 per share to \$0.29 per share. The exercise price of 75,000 warrants originally issued on October 1, 2010 was reduced from \$0.30 per share to \$0.29 per share.

Except as indicated above, no cash compensation, deferred compensation or long-term incentive plan awards were issued or granted to our Company's management during the years ended June 30, 2011, or 2010, or the period ending on the date of this Annual Report. Accordingly, no tables relating to such items have been included within this Item.

OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END

The following table sets forth information concerning equity awards granted to the Named Executive Officers that are outstanding at June 30, 2011.

OPTION AWARDS

Name And Principal Position (a)	Number of securities underlying unexercised options (#) exercisable (b)	Number of securities underlying unexercised options (#) unexercisable (c)	Option Exercise Price (\$) (e)	Option Expiration Date (f)
Philip Clark, Chief Financial Officer	63,000	0	0.50	05/17/12

All awards were made under the 2006 Equity Incentive Plan. Options are fully vested.

WARRANTS AWARDS

Name And Principal Position (a)	Number of securities underlying unexercised options (#) exercisable (b)	Number of securities underlying unexercised options (#) unexercisable (c)	Warrants Exercise Price (\$) (e)	Warrants Expiration Date (f)
Nataliya Hearn, PhD, President, CEO and Director	200,000	0	0.12	01/01/12
	200,000	0	0.12	01/01/12
	200,000	0	0.12	01/01/12
Philip Clark, Chief Financial Officer	75,000	0	0.29	02/18/13
	75,000	0	0.29	04/01/13
	75,000	0	0.25	07/01/13
	75,000	0	0.29	10/01/13

EQUITY COMPENSATION PLAN INFORMATION

Plan category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted average exercise price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans excluding securities reflected in column (a) (c)
Equity compensation plans not approved by security holders			
1992 Directors' Stock Option Plan -options	0	-	12,500
1992 Stock Option Plan -options	0	-	50,000
2006 Equity Incentive Plan -options	425,000	0.50	575,000

Compensation Committee

The Board of Directors serves as the Company's compensation committee. Werner Zapfe heads Compensation Committee.

Compensation of Directors and Consultants

In a year ended June 30, 2011, directors and consultants were given compensation in the form of common stock purchase warrants as specified below:

Nataliya Hearn (Director) warrants to purchase 200,000 common shares @ \$0.2541 each	\$50,824
Philip Clark (CFO) warrants to purchase 75,000 common shares @ \$0.2163 each	16,221
Philip Clark (CFO) warrants to purchase 75,000 common shares @ \$0.2589 each	20,065
Philip Clark (CFO) repricing warrants to purchase 75,000 common shares @ \$0.0005 each	39
Philip Clark (CFO) repricing warrants to purchase 75,000 common shares @ \$0.0169 each	1,271
Philip Clark (CFO) repricing warrants to purchase 75,000 common shares @ \$0.0159 each	1,190
TOTAL:	\$89,610

No additional amounts are payable to our Company's directors for committee participation or special assignments.

Termination of Employment and Change of Control Arrangement

Except for the Company's Agreements with Dr. Hearn, there are no compensatory plans or arrangements, including payments to be received from our Company, with respect to any person named in the Summary Compensation Table set out above which would in any way result in payments to any such person because of his or her resignation, retirement or other termination of such person's consulting relationship with our Company or our subsidiaries, or any change in control of our Company, or a change in the person's responsibilities following a change in control of our

Company.

Nataliya Hearn

Under the terms of her employment agreement, if the Company will terminate the agreement, she is entitled to cash compensation in the amount of \$500,000 and stock compensation in the amount of 2,000,000 shares of free-trading stock.

On November 23, 2009, the Board of Directors resolved to permit \$250,000 of debt due to the President to be converted into shares of common stock of the Company at \$0.45 per share. The Board of Directors further resolved that the remaining debt outstanding at November 23, 2009 of \$1,436,415 due to the President may be converted into shares of common stock of the Company at \$0.45 per share upon the Company's common stock reaching a price of \$1.50 per share. At June 30, 2011, \$1,942,806 (which was at June 30, 2010, \$1,795,746) was owed by the Company to the President. Amounts due to the President are payable on demand, non-interest bearing and unsecured.

Page 24

ITEM 12 SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

(a) Security Ownership of Certain Beneficial Owners.

All tables as of September 6, 2011.

Title of Class	Name and Address of Beneficial Owner	Amount and Nature of Beneficial Owner	Percent of Class(3)
Common Stock, par value \$0.001 per share	Clearline Capital LLC 86 Clearview Lane New Canaan, CT 06840	3,429,805 (1)	10.60 %
	Vladimir Goryunov Alderstasse 31 Zurich 8008,Switzerland	4,669,682 (2)	14.44 %
Series A Convertible Preferred Stock, par value \$0.10 per share	Nataliya Hearn(4) 200 Queens Quay East, #1 Toronto, On, M5A 4K9	1,221,910	58.00 %
	ASA Commerce 1/2 Bolshaya Polyanka Unit 12 Moscow	891,646	42.00 %
Series B Convertible Preferred Stock, par value \$0.10 per share	Clearline Capital LLC 86 Clearview Lane New Canaan, CT 06840	176,471	50.00 %
	Vladimir Goryunov Alderstasse 31, Zurich 8008,Switzerland	176,471	50.00 %

(1) Represents 429,798 shares of Common Stock owned directly and 3,000,007 shares of Common Stock that the reporting person has the right to acquire within sixty (60) days upon the conversion of Series B Convertible Preferred Stock.

(2) Represents 1,669,675 shares of Common Stock owned directly and 3,000,007 shares of Common Stock that the reporting person has the right to acquire within sixty (60) days upon the conversion of Series B Convertible Preferred Stock.

(3) Calculated based on 29,345,571 of Common Stock outstanding as of September 6, 2011 plus an aggregate of 3,000,007 shares of Common Stock issuable to Clearline Capital LLC and Vladimir Goryunov as described above.

(4) Address is c/o American Rare Earths and Materials, Corp., 200 Queens Quay East, Unit #1, Toronto, Ontario, Canada, M5A 4K9

(b) Security Ownership of Management. Except as indicated in the footnotes below, each person has sole voting and dispositive power over the shares indicated.

Title of Class	Name and Address of	Amount and Nature	Percent of Class
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	Beneficial Owner	of Beneficial Owner			
Common Stock, par value \$0.001 per share	Nataliya Hearn, Ph.D., President, Chief Executive Officer and Director (2)	1,291,620	(1)	4.28	(3) %
	Philip Clark Chief Financial Officer (2)	363,000		1.22	%
	Mary Bryan Director (2)	90,000		*	%
	Errol Farr Director (2)	91,000		*	%
	Werner Zapfe Director (2)	91,000		*	%
All Officers, Directors as a Group (5 Persons)		1,926,620		6.42	(4) %

(1) Includes 239,590 shares of Common Stock issuable upon the conversion of 1,221,910 shares of Series A Convertible Preferred Stock held by the holder.

Includes 600,000 shares of Common Stock issuable upon the exercise of 600,000 warrants granted.

(2) Address is c/o American Rare Earths and Materials, Corp., 200 Queens Quay East, Unit #1, Toronto, Ontario, Canada, M5A 4K9

(3) Calculated based on 29,345,571 shares of Common Stock outstanding as of September 6, 2011 plus an aggregate of 839,590 shares of Common Stock issuable upon the exercise of granted warrants and the conversion of outstanding shares of Series A Convertible Preferred Stock as described above.

(4) Calculated based on 29,345,571 shares of Common Stock outstanding as of September 6, 2011 plus an aggregate of 1,474,590 shares of Common Stock issuable upon the exercise of granted warrants and the conversion of outstanding shares of Series A Convertible Preferred Stock as described above.

* Less than 1%.

Changes in Control

Two stockholders, Clearline Capital LLC and Vladimir Goryunov, as a group, beneficially own over 25% of our common stock. As a result, they may be able to control our company and direct our affairs, including the election of directors and approval of significant corporate transactions. This concentration of ownership may also delay, defer or prevent a change in control of our company, and make some transactions more difficult or impossible without their support. These transactions might include proxy contests, tender offers, open market purchase programs or other share purchases that could give our shareholders the opportunity to realize a premium over the then prevailing market price of our common stock. As a result, this concentration of ownership could depress our stock price. Even though the management does not hold majority ownership, its ownership of the Preferred A Stock gives them control of the Company based on the 50 to 1 super-voting rights of these class of shares.

Currently, no known change of control is anticipated.

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS AND DIRECTOR INDEPENDENCE

Transactions with Management and Others

The Board of Directors has considered the independence of each director and has determined that Mary Bryan, Errol Farr and Werner Zapfe are independent and have no direct or indirect material relationships with us. Additionally, each would qualify as independent for the Audit Committee or any Committee of the Board of Directors.

Audit Committee

The Board of Directors serves as the Company's audit committee. Director Errol Farr qualifies as a "financial expert" pursuant to Item 401 of Regulation S-B, and the Audit Committee is comprised solely of independent directors.

Nominating Committee

We have not had a nominating committee. The independent directors have determined that it is best to allow all directors the opportunity to participate in the nomination process. The Board does not have a policy with regard to the consideration of any director candidates recommended by security holders, except that such recommendations are given fair and fulsome consideration by the entire board.

Each nominee must possess fundamental qualities of intelligence, honesty, good judgment, and high standards of ethics, integrity, fairness and responsibility. The Board also will consider the following criteria, among others deemed appropriate at the time of consideration, including the specific needs of the Board at the time:

- experience in corporate management, such as serving as an officer or former officer of a publicly held company, and a general understanding of marketing, finance and other elements relevant to the success of a publicly-traded company in the then current business environment;
- the director's past attendance at meetings and participation in and contributions to the activities of the Board (if applicable);
- experience in our industry and with relevant social policy concerns;

- understanding of our business on a technical level;
- educational and professional background and/or academic experience in an area of our operations;
 - experience as a board member of another publicly held company;
- practical and mature business judgment, including ability to make independent analytical inquiries;
 - “independence,” as defined by Nasdaq listing standards;
 - financial literacy;
 - standing in the community; and
- ability to foster a diversity of backgrounds and views and to complement the Board’s existing strengths.

ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

Audit Fees

MSCM LLP is the Company’s independent auditors. Audit and review fees for the years ended June 30, 2011 and 2010 for MSCM LLP are \$66,650 and \$95,173, respectively.

Tax Fees

MSCM fees for tax services for the years ended June 30, 2011 and 2010 are \$3,642 and \$42,710, respectively.

All Other Fees

For the years ended June 30, 2011 and 2010, the Company was not billed for products and services other than those described above.

Audit Committee Pre-Approval Policies

The Board of Directors, which is performing the equivalent functions of an audit committee, has pre-approved all audit services provided by the independent auditors, and the compensation, fees and terms for such services. No permitted non-audit services were provided or approved by the Board of Directors.

ITEM 15 EXHIBITS

Exhibit No.	Exhibit Description
3(i)(1)	Amended Certificate of Incorporation of the Company, incorporated herein by reference to the Company's Registration Statement on Form S-1, as amended, File No. 33-43976 filed on November 14, 1991.
3(i)(2)	Certificate of Amendment to Amended Certificate of Incorporation of the Company, incorporated herein by reference to Exhibit 3.1 to the Company's Form 8-K dated May 12, 2006.
3(i)(3)	Certificate of the Powers, Designations, Preferences and Rights of the Series A Convertible Preferred Stock, \$0.10 par value per share, incorporated herein by reference to Exhibit 4.1 to the Company's Form 8-K dated February 24, 2006.
3(i)(4)	Certificate of the Powers, Designations, Preferences and Rights of the Series B Convertible Preferred Stock, \$0.10 par value per share, incorporated herein by reference to Exhibit 3(i) to the Company's Form 8-K dated August 3, 2006.
3(i)(5)	Certificate of the Powers, Designations, Preferences and Rights of the Series B Convertible Preferred Stock, \$0.10 par value per share, incorporated herein by reference to Exhibit 3(i) to the Company's Form 8-K dated June 18, 2007.
3(i)(6)	Amended and Restated Certificate of the Powers, Designations, Preferences and Rights of the Series B Convertible Preferred Stock, \$0.10 par value per share, dated July 10, 2009, incorporated herein by reference to Exhibit 4.12 to the Company's Form 8-K filed on August 3, 2009.
3(ii)(1)	Amended and Restated Bylaws of the Company, incorporated herein by reference to the Company's Registration Statement on Form S-1, as amended, File No. 33-43976 filed on November 14, 1991.
3(ii)(2)	Certificate of Amendment to the Certificate of Incorporation of the Company to effectuate a 1 for 20 reverse stock split of the Company's issued and outstanding shares of common stock, incorporated herein by reference to the Company's Form 8-K dated April 24, 2008.
3(iii)	Audit Committee Charter.*
4.1	Form of Element 21 Golf Company 10% Convertible Promissory Note, incorporated herein by reference to Exhibit 4.2 to the Company's Form 8-K dated February 24, 2006.
4.2	Element 21 Golf Company 10% Convertible Promissory Note issued to Oleg Muzyrya, incorporated herein by reference to Exhibit 4.3 to the Company's Form 8-K dated February 24, 2006.
4.3	Common Stock Purchase Warrant, incorporated herein by reference to Exhibit 4.4 to the Company's Form 8-K dated February 24, 2006.
4.4	Form of Element 21 Golf Company 10% Convertible Promissory Note, incorporated herein by reference to Exhibit 4.1 to the Company's Form 8-K dated May 23, 2006.
4.5	Common Stock Purchase Warrant, incorporated herein by reference to Exhibit 4.2 to the Company's Form 8-K dated May 23, 2006.

4.6