



September 16, 2015

SMT-2015-046
10 CFR 50.33

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

- References:
- (1) SHINE Medical Technologies, Inc. letter to NRC, dated March 26, 2013, Part One of the SHINE Medical Technologies, Inc. Application for Construction Permit (ML130880226)
 - (2) SHINE Medical Technologies, Inc. letter to NRC, dated May 31, 2013, Part Two of the SHINE Medical Technologies, Inc. Application for Construction Permit (ML13172A361)
 - (3) SHINE Medical Technologies, Inc. letter to NRC, dated May 15, 2014, Updated General Information for SHINE Medical Technologies, Inc. (ML14135A360)

Updated General Information for SHINE Medical Technologies, Inc.

Pursuant to 10 CFR 50.30, SHINE Medical Technologies, Inc. (SHINE) submitted an application for a construction permit to construct a medical isotope facility to be located in Janesville, WI (References 1 and 2). Enclosure 4 of Reference (1) provided the public version of general information in accordance with 10 CFR 50.33, which included information regarding the Board of Directors and the officers of SHINE, and construction completion dates. SHINE previously provided updated general information reflecting changes made to the SHINE Board of Directors (Reference 3).

Enclosure 1 provides updated general information reflecting SHINE organizational changes and revised construction completion dates.

If you have any questions, please contact Mr. Jim Costedio, Licensing Manager, at 608/210-1730.

I declare under the penalty of perjury that the foregoing is true and correct.
Executed on September 16, 2015.

Very truly yours,

A handwritten signature in black ink, appearing to read "Greg Piefer".

Gregory Piefer, Ph.D.
Chief Executive Officer
SHINE Medical Technologies, Inc.
Docket No. 50-608

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, USNRC
Environmental Project Manager, USNRC
Supervisor, Radioactive Materials Program, Wisconsin Division of Public Health

ENCLOSURE 1

SHINE MEDICAL TECHNOLOGIES, INC.

UPDATED GENERAL INFORMATION FOR SHINE MEDICAL TECHNOLOGIES, INC.

GENERAL INFORMATION

Corporate Structure, Directors, and Principal Officers

SHINE is the applicant for a CP and will own and operate the facility. This application and the demonstration of financial capability are based on the current corporate structure and financial situation of SHINE.

The facility will be owned by SHINE, which was organized in the State of Wisconsin. The business and affairs of SHINE are managed under the direction of a Board of Directors and through the officers of SHINE. The SHINE board currently consists of six directors and there are four SHINE executive officers. All of the directors are US citizens except as noted (one director is a citizen of Canada).

The six current directors are:

Dr. Gregory Piefer, Chief Executive Officer and Director; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Todd Asmuth, President and Director; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Dr. Thomas "Rock" Mackie, Director; Canadian Citizen and U.S. permanent resident
2555 Industrial Drive
Monona, Wisconsin 53713

Richard Leazer, Director; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Donald J. Whelley, Director; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Philip M. Halpern, Director; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

The four current executive officers of SHINE are:

Dr. Gregory Piefer, Chief Executive Officer; U.S. Citizen
2555 Industrial Drive,
Monona, Wisconsin 53713

Todd Asmuth, President; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Dr. Richard Vann Bynum, Chief Operations Officer; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Darin Janecek, Chief Financial Officer; U.S. Citizen
2555 Industrial Drive
Monona, Wisconsin 53713

Biographies of the directors and officers are listed in Attachment 1.

Construction Completion

SHINE currently expects to complete construction of the facility by December 31, 2018 at the earliest, and December 31, 2022 at the latest.

**ENCLOSURE 1
ATTACHMENT 1**

SHINE MEDICAL TECHNOLOGIES, INC.

UPDATED GENERAL INFORMATION FOR SHINE MEDICAL TECHNOLOGIES, INC.

GENERAL INFORMATION

BIOGRAPHIES OF OFFICERS AND DIRECTORS

OFFICERS

Dr. Gregory Piefer, Chief Executive Officer

Dr. Piefer is the founder of SHINE Medical Technologies, Inc. and presently serves as its CEO. Before this, he served as the president of Phoenix Nuclear Labs, where he managed the development of high-output particle sources. He formerly served as the Chief Technical Officer of Gillware Inc., a leading data recovery and backup company. He holds a PhD in nuclear engineering, and BS degrees in physics and electrical and computer engineering from the University of Wisconsin–Madison.

Todd Asmuth, President

Mr. Asmuth has spent 17 years managing early stage companies. Previously, he was the CEO of AquaMost, Inc., a privately held water purification company founded in 2006 to commercialize technology invented at the University of Wisconsin-Madison. Prior to AquaMost, he was the President of Surebond, a specialty chemical manufacturer with a line of environmentally friendly adhesives and sealants. He has a history of successfully taking technology companies from concept to commercialization to profitability. In addition, he sits on the board of directors of multiple early stage companies and non-profit organizations. Early in his career, Mr. Asmuth spent 4 years in management consulting with Booz Allen & Hamilton on strategy engagements with Fortune 500 companies. Mr. Asmuth earned an MBA with honors from the Kellogg School of Management at Northwestern University and a B.S. in Mechanical Engineering from Yale University. He is a member of the Society of Petroleum Engineers.

Dr. Richard Vann Bynum, Chief Operations Officer

Dr. Bynum has over 30 years' experience in both for profit and national laboratory work and is experienced directing large, high-technology, high-security organizations and projects. His experience includes management of all of Los Alamos National Laboratory's nuclear and non-nuclear facilities, involving a staff of 1,850 people and an annual budget of \$917 million. Dr. Bynum led the organization in a greater than 30 percent improvement in its safety metrics, while reducing staffing and controlling costs. Previously, Dr. Bynum managed a \$200 million/year manufacturing operation where he achieved one of the highest on-time delivery rates in the industry. He also served as the project director for a highly successful \$1.8 billion project to re-establish a critical national security capability, which required frequent interactions with Congressional Members and committees. Dr. Bynum holds a PhD in inorganic chemistry from the University of Alabama and has been certified in Lean Manufacturing by the University of Michigan.

OFFICERS (continued)

Darin Janecek, Chief Financial Officer

Mr. Janecek has over 20 years of experience in corporate finance, M&A, and consulting, in both public and private companies of various sizes. Before joining SHINE, Mr. Janecek served as CFO for ARI Network Services, where he was a member of an executive team that grew the company more than 40% and achieved records levels of profitability and cash flow, significantly enhancing shareholder value. During his tenure at ARI, Mr. Janecek was instrumental in the execution of three strategic acquisitions, multiple debt financings, a private equity placement, and the company's listing on the Nasdaq exchange. Prior to ARI, Mr. Janecek was the Strategic Finance Director for Johnson Controls. In addition, he provided consulting services to private equity firms as a member of the Transaction Advisory Services practices at FTI Consulting and Crowe Horwath, was Director of Mergers & Acquisitions at CNA Insurance, and served in various corporate accounting and finance roles for middle market companies in health care and manufacturing. He began his career as an auditor at Deloitte & Touche. He earned his MBA at Loyola University and his undergraduate degree in accounting at the University of Wisconsin – Milwaukee.

BOARD OF DIRECTORS

Dr. Gregory Piefer

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Todd Asmuth

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Dr. Thomas “Rock” Mackie

Dr. Mackie currently serves as Director of Medical Devices at the Morgridge Institute for Research and as a professor in the departments of Medical Physics, Human Oncology, and Engineering Physics at the University of Wisconsin–Madison. He is the author of more than 130 peer-reviewed publications, 25 patents, and has supervised more than 25 PhD students. With his expertise in radiation therapy treatment planning and intensity-modulated radiotherapy, his group developed the Pinnacle™ treatment planning system, now marketed by Philips Medical. He is a co-founder and former Chairman of the Board of TomoTherapy, Inc., a Madison-based company employing 650 people. Dr. Mackie received his B.S. in Physics from the University of Saskatchewan in 1980 and his doctorate in Physics from the University of Alberta in 1984.

Richard Leazer

Richard Leazer was Managing Director of the Wisconsin Alumni Research Foundation prior to his retirement in 2000. He was President of Ohmeda, a medical device and equipment manufacturer, and a division of BOC, from 1988 through 1992. From 1981 to 1988 he was President of Anaquest, a specialty pharmaceutical company and a division of BOC. Currently, Mr. Leazer is a principal in a Madison-based angel investing network, Wisconsin Investment Partners, LLC. Former positions also include President of the WIN Foundation, which sponsors the Wisconsin Venture Fair as well as a Technology luncheon series, and founding President of the Wisconsin Technology Council, an organization working to improve Wisconsin's high technology company environment. He was a Trustee of the Weinert Applied Ventures Program for Entrepreneurship at the UW-Madison School of Business. Mr. Leazer received a bachelor's degree in Business Administration from the University of Iowa in 1963 and an MBA from the Drexel Institute of Technology in 1966.

BOARD OF DIRECTORS (continued)

Donald J. Whelley

Donald J. Whelley is the Managing Member of DJW Advisors, providing advisory services to institutional and high net worth clients. Don has worked for over thirty years in energy and financial services providing valuation and advisory services and most recently supporting clients investing in other industry sectors including mining and biotech. After graduating with a BS in Accounting from Clarkson University, Don began his professional career working as an auditor for Arthur Andersen. Don's career has included accounting, finance and acquisition work for companies involved in oil and gas, agricultural biotech, broker dealer and syndication of real estate investments and energy consulting. In addition to SHINE, Don served as a Director of GeoResources Inc. (Houston TX), a publicly traded exploration & production company, Board Observer of Dynamis Therapeutics, Inc. (Philadelphia, PA), a private biotech, and currently serves as a Board Observer for Flugen, Inc. (Madison, WI), a private medical device maker/vaccine company, and Advisory Board member of Blue Ocean Consulting, Inc. (Lawrence, KS), an internet software and consulting firm.

Philip M. Halpern

Philip M. Halpern is the managing partner of the law firm of Collier, Halpern, Newberg, Nolletti & Bock, LLP, with offices in New York City, White Plains and Stamford, Connecticut. Mr. Halpern is a magna cum laude graduate of Fordham University, where he majored in economics, and is a graduate of Pace University School of Law where he obtained his juris doctor. He is a Fellow of the American Bar Foundation and a member of the Office of Court Administration's Advisory Committee on Civil Practice, the Association of the Bar of the City of New York, the Committee on Federal Judiciary for the New York State Bar Association, the American Bar Association, the New York County Lawyers Association, New York State Trial Lawyers Association, the Association of Trial Lawyers of America, and the Federal Bar Council. Mr. Halpern has been a member of the Advisory Council for the Board of Judges for the Southern District of New York. Mr. Halpern began his legal career in 1980 as a law clerk to a federal judge in the Southern District of New York.