

**Lisa M. McDermott**

9577 South Street, Mauricetown, NJ 08329  
856.332.1747, [lmcdermott@33fuze.com](mailto:lmcdermott@33fuze.com)

Manufacturing, operations and consulting executive with more than twenty years experience in the glass industry. International positions and consulting engagements supporting a variety of market segments including moulded, cosmetic, tubular, and life science product lines. Diverse, comprehensive background including Engineering, Quality, Manufacturing, Laboratory R&D, and New Product Development.

**PROFESSIONAL EXPERIENCE**

**33 FUZE LLC., May 2014 – current**

Owner/Technical Director

Millville, NJ

Technical Director @ 33 FUZE LLC., specializing in sintered / powdered glass fabrication and technical consulting services.

- International positions and consulting engagements supporting a variety of market segments including pharma, biotech, and medical device business sectors.
- Expert in glass melting / forming defect identification and problem resolution.
- Practical knowledge in all aspects of glass furnace and forehearth color change.
- Familiar with PDA glass inspection lexicon and standard pharmaceutical inspection protocols. Well versed in compendia testing requirements for glass (USP, JP, EP).
- World class theoretical and practical hands on regarding all aspects of pharmaceutical glass manufacture and ware inspection.

**Gerresheimer Glass, Inc., May 2012-April 2014**

Consultant : Cosmetic Segment – Technical NPD Mgr Millville, NJ

Responsible for the technical development of decorated cosmetic glass bottles/jars produced in Gerresheimer's Germany and Belgium manufacturing sites for US market.

- Technical liaison between manufacturing sites/sales/customers on all new development projects launched in US.
- Manage each step of the development process from conceptual design through 1<sup>st</sup> production utilizing detailed project plans to coordinate activities between customer specifications and manufacturing/decorating site.
- Participate in line trial evaluations of product launches at customer filling sites.

**Gerreheimer Glass, Inc., May 2011-April 2012**

Consultant: Tubular Glass Americas (TGA) Segment – Quality-Validation Mgr Forest Grove, NJ

Responsible for quality improvements through detailed CAPA investigations and inspection equipment validation projects for pharmaceutical borosilicate tubular vial manufacturing site.

- Directed customer complaint resolution through root cause analysis and subsequent corrective action implementation for high speed pharmaceutical manufacturing site.
- Implemented team based approach to problem solving with joint CAPA investigation between customers and manufacturing team.
- Responsible for validation of state of the art Vision Inspection Systems utilized on five (5) production lines.
- Special customer projects include glass delamination studies, breakage analysis, contaminant identification and elimination.

**Gerresheimer Glass, Inc., Oct. 2006-April 2011**

Consultant: Moulded Products Division – Technical Specialist Millville, NJ

Chicago Heights, IL

Led melting operations improvement initiatives for multiple glass manufacturing facilities to optimize glass quality and improve productivity.

- Optimized time to achieve targeted glass color during amber to flint transitions with a (-) 50% reduction in turnover time.
- Executed raw material optimization projects resulting in \$875,000 in material cost savings annually.
- Co-led energy optimization programs to meet reduced NJ DEP NOx, SOx, and emission compliance regulations.
- Performed all petrographic glass defect identification, glass fracture analysis and glass improvement initiatives.

**Kimble Glass, Inc., Oct. 1997-April 2000**

Director of Quality for Tubular Glass, Blown Scientific Products

Director of Laboratory Services

Vineland, NJ

Directed a quality team of ten (10) salaried employees with responsibilities for tubular and scientific glass product quality for twelve (12) production lines including Laboratory Service support functions.

**Lawson Mardon Wheaton, Feb. 1996-Dec 1996**

Plant #1 Furnace Department Manager

Millville, NJ

Directed all aspects of melting operations for three (3) borosilicate furnaces in the production of specialty glass products for the pharmaceutical industry.

**Wheaton Glass Products, Apr. 1995-Jan 1996**

Glass Technologist, Glass Research and Development Center

Millville, NJ

Provided technical assistance to multiple glass manufacturing facilities servicing the cosmetic and pharmaceutical markets by optimizing glass quality and IS machine production efficiencies.

**Osram Sylvania, Inc., Apr. 1993-March 1995**

Melting Engineer/Glass Technologist, Glass Technologies Division

Central Falls, RI

Provided technical support to melting operations resulting in the production of exceptional glass quality on two glass furnaces (Borosilicate & Soda-Lime) feeding six (6) diverse forming lines.

**Osram Sylvania, Inc., Aug. 1990-March 1993**

Project Engineer

Central Falls, RI

Provided engineering support to initiate, develop, and implement process improvements on Ribbon Machines, Paste Mold Turret Chain Machines, and Fluorescent Tube Line operations.

**GTE Products Corp., Aug. 1989-August 1990**

Product/Process Engineer, U.S. Lighting Division

St. Marys, PA

Provided hands on resolution of glass and other related problems associated with the high-speed manufacturing processes used in the production of incandescent light bulbs.

## EDUCATION

**Master of Science: Glass Science**

New York State College of Ceramics at Alfred University, Alfred NY

**Bachelor of Science: Ceramic Engineering**

New York State College of Ceramics at Alfred University, Alfred, NY

## PUBLICATIONS

Helium Gas Solubility in Soda-Lime Borate Melts, by Lisa M. Donohoe <McDermott>, Jeffery T. Kohli, and James E. Shelby, Proceedings of the 1<sup>st</sup> International Conference in the Advances in the Fusion of Glass, published by the American Ceramic Society, August 1988.

Solubility of Inert Gases in Glasses and Melts, by G.G.Gausman, Lisa M. Donohoe <McDermott>, Jeffery T. Kohli, and James E. Shelby, Transactions of the American Ceramic Society, June 1993.