

# BETH LYNCH

Validation Engineer / Project Leader

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9420 E. Golf Links Rd., Tucson, AZ. 85730

beth.lynch@ecvs-inc.com

Primary Phone: (602) 469-0900 Phone/Fax: (520) 647-3874

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## PROFESSIONAL SUMMARY

An effective, people-friendly Chemical Engineer with 25+ years of project management and technical experience who seeks to provide hands-on support to a validation team. Able to prepare and execute validation and qualification protocols for process and support equipment at pharmaceutical manufacturing facilities. Experienced in the preparation of quality systems documentation such as SOPs and project reports. Eager to apply knowledge of manufacturing processes and equipment, process development, and strong writing and organizational skills. Available on a project basis to work at any location.

## EXPERIENCE

10/2001 - Present

**Validation Engineer      Engineering Consulting & Validation Services, Inc      Tucson, Arizona**

Responsible for design and implementation of modifications to manufacturing facility for a new product launch. Lead team in equipment commissioning and qualification, creation of SOPs and device production records, and performed cleaning and process validation. Wrote validation master plan and facility master plan and tracked and reported progress in MS Project.

Wrote validation master plan for an API manufacturing facility covering utility systems, reactors, and purification and drying equipment.

Wrote and executed IQs and OQs for formulation tanks and mixers, a thin film evaporator, and portable heat exchangers for a new parenteral pharmaceutical product and wrote and compiled the summary reports. Assisted with the development of a CIP process and helped execute the CIP PQ.

Wrote and executed IQ and OQs for formulation tanks, mixers, and packaging equipment for an OTC product. Wrote and compiled final IQ and OQ summary reports. Assisted with execution of PQs, Mixing Validation, and Process Validation. Programmed and operated Kaye Validator 2000 for temperature mapping studies.

Executed IQ, OQ, and PQs and wrote operating, cleaning, and maintenance SOPs for four autoclaves at a new vaccine facility (BL-2). Assisted with execution of filler PQ and capper PQ. Wrote SOP for plant-wide calibration program. Assisted Validation Manager with project schedule & data entry.

1/2001 - 10/2001

**Sales Coordinator      Integrated Support Systems      Phoenix, Arizona**

Prepared proposals, submittal drawings, quotes, purchase orders, and invoices per equipment specifications for power conditioning and environmental control equipment. Placed and expedited and tracked web orders and communicated order and delivery information to customers. Arranged warranty and technical services. Managed customer contact database.

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6/1996 - 9/2001

**Owner/Manager Paradise Valley Catering Phoenix, Arizona**

Managed daily operation of a five route mobile catering business. Solicited new accounts and optimized routes for times and locations. Trained and supervised driver/operators. Established inventory, purchasing, and pricing rules. Selected vendors and paid for goods and services. Scheduled vehicle maintenance and repairs. Kept daily transaction ledger and prepared 1099's and detailed Schedule C.

10/1994 - 8/1995

**Production Supervisor Nestle Beverage Company Jacksonville, Illinois**

Supervised hourly workers in receiving and process department and filling and shipping department in the Coffee Mate manufacturing facility. Assigned work by skills and seniority. Identified and fixed quality and rate problems. Arranged equipment repairs and maintenance. Assured component availability. Reported material, manpower, production, and inventory data daily.

10/1991 - 8/1994

**Section Head - Soap Products R&D The Andrew Jergens Company Cincinnati, Ohio**

Responsible for R&D of bar and liquid soaps which included the following. Supervised chemists and their lab work. Surveyed and evaluated new chemicals/ingredients. Developed and scaled up new formulas and processes and modified formulas of existing brands for cost, manufacturability, or product improvement. Wrote purchasing specs for new materials. Oversaw consumer and clinical and microbiological testing for claims substantiation, stability, and performance. Coordinated R&D work with Marketing Research, Marketing, Purchasing, Sales, Manufacturing, and Engineering departments. Developed strategy and timelines together with new product team. Wrote department monthly reports and presented project progress and results to other departments.

1/1989 - 10/1991

**Senior Research Project Manager Neutrogena Corporation Los Angeles, California**

Responsible for all R&D on bar soaps for Neutrogena. Developed and implemented a scrap soap rework procedure that resulted in reduced waste and cost and produced a product that consistently met the quality specification. Developed a continuous, high-throughput process for casting soap to allow plant expansion at lower capital cost. Optimized the existing soap synthesis process then wrote and implemented an SOP that decreased out-of-spec product.

6/1979 - 1/1989

**Research Associate, Senior Research Engineer, Research Engineer**

**The Dial Corporation Phoenix, Arizona**

Responsible for R&D of Dial brand bar soaps. Evaluated alternative soap synthesis/amalgamation/refining process for performance and economics. Developed and implemented a proprietary strategy for least cost formulation that increased profitability while giving strategic advantage in marketing byproduct chemicals. Designed and carried out pilot plant trials to assess manufacturability of new formulas and coordinated R&D's assistance to Manufacturing for production startups.

## EDUCATION

5/1985	Arizona State University	Tempe	M.B.A.
6/1979	University of Illinois	Urbana	B.S. Chemical Engineering

## RELEVANT SKILLS

Experienced with operation of Kaye Validator 2000  
Highly Proficient in the use of MS Word, Excel, Project, etc.