

SAMUEL A. SEABRIGHT, P.E.
1209 Whispering Knoll Lane
Rochester Hills, Michigan 48306

248-651-2521 home

Email: bsae48@aol.com

CURRENTLY RETIRED; Registered Professional Engineer in Michigan and other states

MANAGER, P.E. PHOTOTECHNICAL SERVICES

Create, edit and produce publications, digital photography, computer graphics, professional consulting

1982-present
Rochester Hills, MI

OLDER PERSONS COMMISSION

Writer and proofreader for *Vintage Views* newsletter; member of Fireside Poets group.

2006-present
Rochester, MI

MANAGER, ENVIRONMENTAL AFFAIRS AND TECHNICAL SAFETY
SIEMENS AUTOMOTIVE CORPORATION

1990-2006
Auburn Hills, MI USA

Coordinated Health, Safety and Environmental (HSE) activities for 40 automotive component manufacturing facilities in North/ South America, Asia and Australia. Had line responsibility for HSE of corporate office and lab buildings (1100 occupants) including workers compensation administration. Was the Corporate Compliance Officer for HSE issues, including construction review and building/fire code compliance. Performed training and organized international conferences. Advised other Siemens divisions on HSE issues. Was an active member of several Siemens AG global HSE committees and taskforces.

MAJOR ACCOMPLISHMENTS:

- Winner of the Siemens *Global Environmental Award 2000*.
- Winner of Honda America Motors *Supplier Award for Safety and Ergonomics, 2003*
- Created and developed "Best Practice" Business Continuity/Disaster Plan for global distribution
- Established Office Ergonomics program to almost eliminate Cumulative Trauma ailments; cited by US-OSHA as Best Practice.
- Made annual HSE and fire risk audit/inspection visits to all plants in North America, South America and Asia.
- Had 7 patents pending or granted, as well as 18 awards for innovative suggestions accepted.
- Implemented HSE global communications: newsletters, international conferences, workshops and seminars.
- Performed environmental Due Diligence assessments in US, Mexico, Canada.
- Organized removal of 14 buried tanks and all asbestos and PCBs from plants in North America
- Organized ISO 14001 environmental certifications for NAFTA plants; scored perfect 100% on ISO 14001 Leader exam.
- Originated Corporate HSE Policy and Procedures, applicable worldwide.

FACILITIES ENGINEERING MANAGER

COLT INDUSTRIES, HOLLEY CARBURETOR DIVISION

1979-1990
Warren, MI USA

Responsible for all divisional construction, environmental protection, safety, energy and utilities at 9 automotive fuel system manufacturing plants, including administration of Capital and Major Repair budgets (\$20MM annually). Wrote Budget estimates for all major projects, obtained bids, selected contractors, managed all construction and administered cost accounting. Managed Warren plant Maintenance Department (12 UAW tradesmen, \$1MM budget), including all construction, renovation and maintenance contractors. Managed Security, Janitorial and Cafeteria functions.

MAJOR ACCOMPLISHMENTS:

- Conducted 64 buried tank removals and cleanups in 4 states.
- Conducted the first EPA approved landfill stabilization, for Lost River Superfund project in KY.
- Designed and built Test & Development Laboratory in TN: the 25,000 sq. ft. facility won ASHRAE *Energy-Saving Design Award*.
- Designed and managed construction of a vibration lab in MI, saving \$250,000 per year.
- Designed and managed construction of new fuel blending and distribution systems at 4 plants (MI, TN, KY, MS), saving \$80,000 each per year and improved product quality at each plant.
- Renovated old building in TN to rebuild Carburetors: plant layout, managed contractors, moved production from KY.
- Designed and managed construction of new Starter/Generator Rebuilding Plant (TX). Later redesigned production processes to increase volume from 90 to 1000 units/day.
- Managed Contractors to replace roofs on 9 plants (5 million square feet) in 4 states.
- Designed, managed construction of 4 Clean Rooms for fuel injector manufacture (MI, KY, MS, Chihuahua Mexico)
- Received *Outstanding Employee* awards in 1983 and 1985.

MANAGER, ENGINEERING AND MANUFACTURING

BUNDY CORPORATION

1970-79
Warren, MI USA

In charge of major projects: installed steel tubing production and fabrication lines in U.S.A., Australia, Canada and Brazil. Designed, built and managed Stainless Steel Tubing manufacturing and parts fabrication plant; managed 5 salaried and 30 hourly employees. Patents for a machine to make large coils of stainless steel tubing, also for an inline tube annealing process.

- Received the Corporate *Citation for Achievement* award in 1972 and again in 1978.

PRODUCT ENGINEERING SUPERVISOR
COLT INDUSTRIES, ELOX DIVISION1968-70
Troy, MI and Davidson, NC USA

Directed design of standard and special machine tools. Supervised 8 engineers and designers. Supported Marketing with new-model cost proposals, presentations, drawings and brochures. Invented novel applications and designs of Electrical Discharge Machining processes. Several Patents awarded.

SYSTEMS ENGINEERING SUPERVISOR
ATOMIC POWER DEVELOPMENT ASSOCIATES, INC.1967-68
Detroit, MI USA

Improved nuclear reactor sodium piping at Enrico Fermi Atomic Power Plant, Monroe, MI. Supervised the Liquid Sodium Piping Systems department (3 people); ran tests at Sibley Quarry. Reviewed and critiqued U.S., French and Russian (Chernobyl) reactor designs.

PROJECT ENGINEER
R. R. DONNELLEY & CO1966-67
Chicago, IL and Crawfordsville, IN USA

Managed Contractors on printing press installations; developed new book binding methods. Supervised installation of five-color automated printing presses for production of World Book Encyclopedia. Designed complex machine controls circuitry for presses.

PROJECT ENGINEER
GUARDIAN GLASS COMPANY1964-66
Detroit, MI USA

Designed glass cutting machinery, conveyors, HVAC, and furnaces for automotive and architectural glass products.

PART TIME INSTRUCTOR AND ADMINISTRATOR
DETROIT INSTITUTE OF TECHNOLOGY1975-81
Detroit, MI USA

- Instructor for college-level and advanced technical night school courses in USA and Canada.
- Implemented and administered the St. Clair Canada college degree operations for adults.

OTHER PART TIME (nights, weekends, etc.):

- Professional Consulting: designed radio towers, steel structures, ovens and furnaces. 1967-present.
- Detroit Mechanical Contractors, 1966-80, install heat and air conditioning: thread and hang pipe, make ductwork, etc.
- Del Ray Connecting Railroad, 1974-76: designed bridge reconstruction and coke heating facility; sold a bridge.
- Professional photographer: studio, location and aerial photography, darkroom, wet/dry lab, computer graphics.
- Co-op engineer at Soil Testing Services (Chicago), Ethyl Corporation and Ford Motors (Detroit).

PROFESSIONAL ACTIVITIES:

- Director, Rochester Hills MI Economic Development Corporation.
- Chairman and Industrial Representative, Strategic Planning Committee, Auburn Hills Fire Department.
- Industrial Representative, Oakland County Solid Waste Commission.
- Member of Oakland County Local Environmental Protection Commission (LEPC); Plan Review committee.
- Participant and speaker, Michigan Business Partnership for Pollution Prevention (MBP3).
- Past Member AIAG (American Industry Action Group), Health and Safety Steering Committee.
- Past Member OESA (Original Equipment Supplier Association), Environmental, Health and Safety Council.
- Past Member Great Lakes WREE (Waste Reduction Energy Efficiency), Planning Committee and speaker.
- Past Member National Fire Protection Association (NFPA).

FORMAL EDUCATION:

- BSME: University of Detroit, 1963; Thesis: *Three-Element Interferometer*
- MS-ME courses, Wayne State University, 1965. Thesis: *Gas Levitation Glass Tempering Furnace.*
- Pre-Engineering: Wheeling Jesuit University, on academic scholarship.
- MBA courses, University of Detroit, 1975. Concentration in Production Management.