

# FAYE L. STRAW, P.E.

## Senior Engineer I

### PROFILE

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A well-rounded self-motivated professional with over 31 years of civil and environmental permitting, design, construction, project management and administrative/operations experience, highly organized and attentive to details. A broad knowledge base coupled with technical expertise compliments strong interpersonal, teamwork, leadership, communication and administrative abilities.

### EDUCATION

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B. S. - Civil Engineering Technology, University of Pittsburgh at Johnstown, 1979

Professional Engineer No. PE033984-E, Pennsylvania, 1984

### CERTIFICATIONS/TRAININGS/AFFILIATIONS

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Reengineering Seminar, Hammer and Co., Inc., 1995  
Quality Action Teams (FADE) Training, Organizational Dynamics, 1995  
Handle and Convert Fuel Reengineering Team, 1995  
TeamPower Voice of the Process Training, GPUSC, 1996  
Continuous Emission Monitoring Systems Team, 1996  
Implementing Reengineering: Strategies and Techniques, Hammer and Co., Inc., 1997  
Implementing Major Change: The Human Dimension of Reengineering, Hammer and Co., Inc., 1997  
The Profession of Reengineering: Practices and Prospects, Hammer and Co., Inc., 1997  
Collect and Disburse Money Reengineering Team, 1998  
The Professional Woman Manager, LDI Institute, 1983  
International Geotechnical Engineering of Land Disposal Systems, University of Wisconsin, 1987  
Civil Engineering Automation Library (CEAL) Training, CLM Systems, Inc., 1988  
International Conference on Constructed Wetlands for Wastewater Treatment, TVA, 1988  
Effective Slope Protection and Erosion Control, University of Wisconsin, 1989  
Practical Slope Restoration Methods, University of Wisconsin, 1989  
Wetlands Mitigation Seminar, PSPE, 1990  
Leadership and Supervisory Skills for Women, National Business Women's Leadership Association, 1991  
Compliance with the New Residual Waste Regulations, PA Chamber of Business and Industry, 1992  
Environmental Regulation Course, Executive Enterprises, 1992  
10<sup>th</sup> International Coal Ash Symposium, American Coal Ash Association, 1993  
Utilization of Fly Ashes and Other Coal Combustion By-Products, Penn State, 1993  
EPRI Groundwater Modeling Workshop: MYGRT, FOWL-GH, PCTRANS and OPTIC, 1993  
Contract Claims and Litigation Avoidance, The Condor Group, 1994  
Environmental Regulation in PA, Institute of Business Law California State University, 1994  
International Ash Utilization Symposium, University of Kentucky Center for Applied Energy Research, 1995  
Coal Combustion Byproduct (CCB) Managers Program, American Coal Ash Association, 1996  
GPU Executive Financial Leadership Program, Penn State Executive Programs, 1997  
VoiceCon 2001, 11<sup>th</sup> Annual Conference on Enterprise Voice Communications, Washington, DC, 2001  
SAP Training – Financial Module, Reliant Energy, 2001  
APC/PENNDOT Flagger Train-the-Trainer Program, 2006  
Water, Wastewater, and Other Engineering Challenges; PSPE, 2011  
Trained and proficient in Microsoft Office Suite products: Access, Word, Excel, PowerPoint  
Member of National Society of Professional Engineers  
Member of American Society of Civil Engineers  
Member of American Society of Highway Engineers

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## ASSOCIATIONS AND ACCOMPLISHMENTS

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- Recognized by Water Pollution Control Association of PA (1990) for contribution enabling Penelec to achieve an Award for Excellence in Industrial Wastes Management
- Recognized by The National Environmental Awards Council for Project Management responsibility for Keystone and Conemaugh Ash/Mine Refuse Disposal Sites for their outstanding program in the Renew America 1992 Environmental Success Index
- Received Reliant Energy's Information Technology C.R.E.A.T.I.V.I.T.Y. Award for contribution during the technical infrastructure integration of the Sithe operations to Reliant Energy in 2000

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## PROFESSIONAL EXPERIENCE

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### **Sr. Engineer I (2010 to Present)**

#### **Cambria Consultants, Inc., Johnstown, PA 15904**

- Prepared a conceptual engineering report for a Water Truck Fill Station, designed culvert to provide access to a NPDES outfall, and provided structural design for several platform structure additions at Reliant Energy's Seward Power Plant.
- Inspected the center well and rake at Conemaugh's Ash Valley Clarifier.
- Provided engineering support for a sterile water line replacement at Keystone Power Plant and assisted New Castle Power Plant with providing data in response to an EPA request pursuant to Section 114 of the Clean Air Act.

### **HR/Office Administration/Project Estimating (2003 to Present)**

#### **Straw Construction Co., Inc.**

- Experienced with all aspects of daily office administration, functions and operations including complete payroll preparation with HR function integration, accounts payable, job/operations costing, fuel tracking, etc.
- Skilled with project estimating and bidding, including volumetric takeoffs and calculations utilizing advanced 3-D modeling software.

### **Telecommunications Manager – East Region Operations (ERO) (1999 to 2003)**

#### **Reliant Energy / Sithe Northeast / GPU Genco**

- Managed a team responsible for O & M of Reliant ERO's telecommunication network serving 100+ power plants located in 9 states. Responsibilities include client interface, budgets, inventory; carrier service orders and disconnects, payments, billing inquiries and dispute resolution. Components supported include:
  - Nortel PBX's, Key Systems and Voice Mail
  - Call Detail Reporting (TABS.IT)
  - Carrier Services (T-1, BRI, PRI, ISDN, CO, POT's, Frame Relay, local and long distance)
  - Video Conferencing
  - Mobile Devices
  - Satellite Phones
  - FCC Radio Licenses
- As a member of the GPU/Sithe Infrastructure Transition Team in 1999, provided various infrastructure support services as needed for the Sithe operations transition to Reliant in 2000 and again during the acquisition of Orion Power Holdings and transition of their infrastructure to Reliant in 2001/2002.

**Genco Redesign and Information Technology Team Member (GRITT) (1997 to 1999)**

**GPU GENCO / Pennsylvania Electric Company (Penelec)**

- Asked by Management to join the team charged with leading process reengineering, organizational development and cultural change to transition Genco into a deregulated environment.
- Partnered with I.T. Services to establish a strategic direction for Genco's business systems, data and voice infrastructure, and hardware and software platform.
- Led the team that developed and maintained Genco's Intranet and Internet sites, is experienced in process reengineering and is a certified TeamPower and Quality Action Team Facilitator.
- As a member of the Genco Strategic Transition Planning Team, prepared documentation of all existing business processes and systems in preparation for divestiture and transition to a new owner. The team's work became an integral component in the transition from GPU Genco to Sithe Northeast.

**Project Manager of Residual Waste Project Team (1993 to 1997)**

**GPU GENCO / Pennsylvania Electric Company (Penelec)**

- Responsible for management, planning and coordination of all regulatory permitting and compliance, engineering and construction certification activities for approximately \$10 million of annually budgeted work for landfills and wastewater impoundments at 8 power plants spanning five PADEP regions. Program areas worked in included:
  - Residual Waste Permitting
  - Coal Refuse Permitting
  - NPDES Permitting
  - Groundwater Quality Evaluations
  - Beneficial Use of Coal Ash
  - Encroachment Permits
  - Wetlands Construction/Mitigation
  - Residual/Hazardous Waste-Source Reduction
- Led the effort to establish Genco's Ash Marketing Program promoting beneficial use of coal combustion byproducts produced from the annual combustion of approx. 15 million tons of coal. Savings in first year of program was \$528,000.
- Represented Genco on the PA Electric Association (PEA) Solid Waste Subcommittee.

**Environmental Scientist Senior I - Environmental Affairs (1992 to 1993)**

**Pennsylvania Electric Company**

- Provided technical direction to power plants, engineering departments and consultants on the new PA Residual Waste Management Regulations.
- Developed long-term waste management plans and permit documents.
- Worked with the Electric Power Research Institute, laboratory personnel, and the Residual Waste consultant to develop and maintain a centralized groundwater monitoring database and automate PADEP reporting.
- Conducted an environmental audit of Warren Station. Participated in PEA Solid Waste Subcommittee activities.

**Engineer II, III and Senior I-Civil - Generation Design Engineering (1982 to 1992)**

**Pennsylvania Electric Company**

- Completed numerous civil, structural and hydraulic designs for various new and retrofit projects for power plants, in addition to FERC, PADEP, PENNDOT and MDDNR licensing and permitting work.
- Performed conceptual and detailed design work, in-house and/or managing consultants performing that work, and provided technical assistance during construction.
- Evaluated, selected and implemented software to automate design, layout and 3-D topographic mapping of ash disposal landfills.

**Civil Engineer (1979 to 1982)**

**H. F. Lenz Company Consulting Engineers**

- Prepared drawings for several PENNDOT highway reconstruction projects, as well as site grading, parking, property plats and storm water management plans for a PA shopping mall developer.
- Responsible for project management, survey, design, and specifications for a major sidewalk replacement project for the City of Johnstown.
- Under contract to Penelec in 1982, developed Seward ash site closure plans, including design of sedimentation basins, spillways and related drainage facilities.