

*A supplement to*

# RESOURCE

Engineering & Technology for a Sustainable World

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## 2023 GUIDE TO CONSULTANTS



PUBLISHED BY AMERICAN SOCIETY OF AGRICULTURAL AND BIOLOGICAL ENGINEERS

advice

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# GUIDE TO CONSULTANTS 2023

**T**his *Guide to Consultants* is presented as a service to people interested in agricultural and biological engineering assistance. This listing is not an offer or advertisement to provide engineering services in any state or jurisdiction where the professional engineer or professional engineering firm is not registered/licensed. All information was provided by the listed consultant. The American Society of Agricultural and Biological Engineers (ASABE) assumes no responsibility for the validity of the qualifications listed or the consulting services performed.

Listings for both registered professional engineers and consultants who are not registered engineers are included. In the United States, the registration/licensing of professional engineers is vested in the states/territories. Administration of the relevant laws governing the practice of engineering is assigned to engineering boards. The primary role of these regulatory boards is to protect the life, health, property, and welfare of the public and to ensure that unqualified individuals do not practice engineering. Many other countries also have laws and regulations pertaining to the practice of engineering. When selecting a consultant, it is recommended that any jurisdictional registration/licensing requirements be identified for specific services.

In the following listings, the date after the specialty description is the professional engineer's initial registration date. The state(s) or country in which the consultant is registered follows the date. The consultant's availability is given on the next line, including geographic area of service.

Indication of registration in a single state does not imply that a professional engineer cannot be registered in other states. Most state engineering registration laws and rules are patterned after guidelines prepared by the National Council of Examiners for Engineering and Surveying, P.O. Box 1686, Clemson, SC 29633, USA. Most states have laws that permit a professional engineer to become registered in other states, either temporarily or permanently, without re-examination. Consideration of the consultant should be on the basis of the consultant's qualifications and not on where registered, because many consultants can obtain registration in other states or jurisdictions.

Consultants who are not registered professional engineers may have qualifications and expertise in areas other than those requiring professional registrations. Prospective clients should always confirm, through independent sources, the qualifications of all consultants for the services to be performed.

## Registered Engineers

### Gayle C. Baker, P.E.

Maurer-Stutz, Inc.  
3116 N. Dries Lane, Suite 100  
Peoria, IL 61604  
309-693-7615  
Cell: 563-380-8720  
gcbaker@mstutz.com  
www.mstutz.com

Planning and design services for livestock production facilities and soil and water conservation practices. Livestock experience includes beef, dairy, swine, and poultry facilities. Experience includes site development, feasibility studies, manure handling/storage/treatment, permitting, nutrient management, hydrology and hydraulics, land treatment, and water resources/dam design. NRCS Technical Service Provider.

Licensed in IA, IL, MO, MN, TX, NE, and DE.

Initial date of registration: 2014; IL, DE, IA, MO, MN, TX, NE, NE

Available full time; Domestic and International

### Chuck Brandel, P.E.

ISG  
Vice President  
115 East Hickory Street + Suite 300  
Mankato, MN 56001  
Office: 507.387.6651  
Cell: 507.327.8282  
chuck.brandel@ISGInc.com  
ISGInc.com

Chuck's significant expertise in watershed management is widely recognized throughout the upper Midwest and has made him a sought-after authority and designer on many projects throughout the region. He understands the required processes and procedures for multi-layered projects and works closely with landowners, local governments, watershed districts, and regulatory agencies, both in planning and design to execute projects that improve human interaction with water systems while reducing the impact of the improvements on the environment and landscape. Chuck has served as a forward-looking leader regarding the implementation of multipurpose drainage management strategies and is ISG's key expert in watershed planning.

Initial date of registration: 2004; MN, NE, IA, SD, WY, KS

Available full-time; Domestic

### William A. Cook, P.E., L.S.

Neosho Engineering & Technology  
20475 Udall Road  
Stark, KS 66775, USA  
620-754-3500

Boundary surveying, topographic surveying, construction staking, land use planning, preliminary planning for water control structures, real estate development, and community planning.

Initial date of registration 1981; KS

Available full-time; Domestic

### Terry L. Feldmann, P.E.

Maurer-Stutz, Inc.  
3116 N. Dries Lane, Suite 100  
Peoria, IL 61604, USA  
309-693-7615  
fax: 309-693-7616  
tlfeldmann@mstutz.com  
www.mstutz.com

Assessments, consulting, evaluation, planning, design of livestock/poultry facilities, site development, expansion, water-supply dams, feasibility studies, renovation, ventilation/heating, environmental monitoring, field research, SPCC, manure handling/storage/treatment, permitting, nutrient management, odor, equipment/material specifications, quantities, cost opinions, expert witness, conservation, agrichemical handling, flood control, equine, layers, swine, dairy, turkeys, broilers, beef, Agricultural Research facilities.

Initial date of registration 1998; IL, IN, AR, WI

Available full-time; Domestic and International

### John A. George, P.E.

Agricultural Engineering Associates, Inc.  
1000 Promontory, PO Box 4  
Uniontown, KS 66779, USA  
800-499-5893  
fax: 620-756-4600  
johng@agengineering.com  
www.agengineering.com

AEA provides experienced (40 years), leading edge services to US and International Clients on production and research livestock and poultry facilities and associated environmental systems, permitting, crop production, and renewable energy systems to maximize efficiency, profitability, and environmental compliance. Primary services include complete facility design, environmental permitting, and construction management.

Initial date of registration 1974; KS, AL, AR, CO, GA, IL, IN, IA, MO, MI, MT, NE, NM, NY, NC, OH, OK, OR, PA, SD, TX, WA, WI, WY

Available full-time; Domestic and International

### Bailey Griffin, P.E.

ISG  
Water Resources Engineer  
6465 Wayzata Boulevard + Suite 970  
St. Louis Park, MN 55426  
952-426-0699  
bailey.griffin@ISGInc.com  
ISGInc.com

Bailey's focus areas include water quality, environmental conservation, hydrology and hydraulics, and watershed restoration. Her methodological approach to projects allows her to identify multi-facilitated solutions with multiple benefits. Bailey's experience allows her to assist entities with achieving measurable goals that include minimizing flooding, improving water quality, and restoring wildlife habitat.

Initial date of registration: 2022; MN

Available full-time; Domestic

### Joseph G. "Jake" Martin III, P.E.

JGMIII Inc  
9127 SW 52nd Avenue, Suite D-102  
Gainesville FL 32608, USA  
352-359-1356  
jake@dairydesign.com  
www.dairydesign.com

Consulting engineering services for complete dairy facility evaluation, layout, and design. Services provided include: site selection and evaluation; preliminary dairy facility layouts; dairy expansion evaluation; layout and design of milking centers, animal housing facilities, animal working areas, feed centers and youngstock facilities. Complete animal waste management system evaluation, layout and design.

Initial date of registration 1984; LA, GA, FL, KS, IA, VA, KY, OH, SC, NC, TN

Available full-time; Domestic and International

### James M. Miller, P.E., PhD

J M Miller Engineering, Inc.  
2392 Fuller Ct.  
Ann Arbor, MI 48105, USA  
734-662-6822  
miller@millerengineering.com  
www.millerengineering.com

Agricultural, Chemical, Mechanical, & Forensic Engineers. Expertise Areas: Hay / Grain Harvesting & Storage; Dairy & Food Processing; Tractors & Implements; Guarding / Entanglement; Ingress, Egress, Slips and Falls; Chemical Application & Exposures (GHS, MSDS); Irrigation / Animal Safety; Warnings, Labeling, & Instruction Manuals; Risk Management and Safety Compliance (ASABE, OSHA, ANSI, NPDES, FIFRA, RCRA & EPA). We farm 1000 Idaho

## Registered Engineers

acres and designed-built our own Federal Grant (REAP) hydroelectric and solar power facilities.

Initial date of registration: Idaho 1998, Ohio 1972

Available full-time; Domestic

### **Aaron K. Orebaugh, P.E.**

Maurer-Stutz, Inc.  
5830 W. Kilgore Ave.  
Muncie, IN 47304, USA  
765-273-6228  
akorebaugh@mstutz.com  
www.mstutz.com

Professional services for livestock and production agricultural facilities. Livestock experience includes planning, permitting, and engineering design for new facilities, expansions, and renovations of beef, dairy, swine, and poultry housing and manure handling/treatment/storage systems. Additional experience includes SPCC plan development for agricultural production facilities and design of agrichemical handling facilities.

Initial date of registration 2013; IN, WI, MI

Available full-time, Domestic and International

### **Spencer Pech, P.E.**

ISG  
Civil Engineer  
335 Cedar Street, Suite 200  
Waterloo, IA 50701  
Office: 319.234.1515  
Cell: 563.920.5758  
spencer.pech@ISGInc.com  
ISGInc.com

Spencer specializes in producing data-driven water quality and agriculture drainage solutions for ISG's water resource team. Applying knowledge gained from his personal experience growing up on a family farm, formal education, and professional career, he designs drainage systems, storage basins, wetlands, and edge-of field practices for ISG's agriculture and watershed partners throughout the Midwest. With a collaborative approach, Spencer develops tailored solutions and builds lasting relationships with clients.

Available full-time; Domestic

### **Russell A. Persyn, P.E., PhD,**

C.F.M.  
RESPEC  
407 Paris Street  
Castroville, TX 78009, USA  
210-248-0774  
cell: 210-213-2297  
russell.persyn@respec.com  
www.respec.com

RESPEC is a client-focused consulting firm that has provided innovative solutions for more than 50 years. Our scientists and engineers are experts in water resource management, including irrigation water management, monitoring data collection and analysis, decision-support system development, water quality modeling, and hydrologic and hydraulic modeling in rural and urban watersheds.

Initial date of registration Dec 2004; TX, IA, SD, MI, KY, CT, MD, GA

Available full-time; Domestic

### **Jonathan C. Popp, P.E.**

Popp Engineering, Inc.  
2710 Ford Street  
Ames, IA 50010, USA  
515-232-6118  
fax: 515-232-8814  
jpopp@poppengineeringinc.com  
www.poppengineeringinc.com

Professional engineering and project management services are provided to the seed and related agricultural industries. These services encompass renovation and new construction, specializing in air systems, dust control, and seed drying systems. All phases of projects from problem analysis and design to equipment procurement and construction management are provided to clients.

Initial date of registration 1993; IA, IL, MN, MO, NE, ND

Available full-time; Domestic

### **Caleb Rasmussen, P.E.**

ISG  
Civil Engineer  
1725 Lake Avenue North  
Storm Lake, IA 50588  
Office: 712-732-7745  
Cell: 712-304-1958  
Caleb.Rasmussen@ISGInc.com  
ISGInc.com

Caleb supports ISG's water, food, and industrial clients as a civil engineer with specialized knowledge of animal facility operations and water resources management. He is responsible for operations planning, permitting, site development, and nutrient management to improve and promote sustainable environmental and animal stewardship across the Midwest. With a passion for water conservation and water quality improvement practices,

Caleb takes a balanced approach to agricultural drainage water management, mitigation banking and restoration, bank and grade stabilization, river and stream recreation design, and lake aquatic life habitat design to maintain a healthy environment for future generations while improving farm resiliency.

Initial date of Registration 2019, IA

Available full-time; Domestic

### **Timothy R. Royer, P.E.**

Timber Tech Engineering, Inc.  
22 Denver Road, Suite B  
Denver, PA 17517, USA  
717-335-2750  
trr@timbertecheng.com  
www.timbertecheng.com

Consulting engineering services for structural design of livestock housing and production facilities, design of agricultural waste handling and waste storage facilities, construction observation, permitting, site design, stormwater management design, structural design of building systems for post-frame, wood, steel, and concrete constructed buildings. Registered NRCS Technical Service Provider with NRCS project experience.

Initial date of registration 1989; AL, AR, CA, CO, CT, DE, FL, GA, IN, IA, KS, KY, MD, MA, MI, MN, MS, MO, MT, NE, NH, NJ, NY, NC, OH, OK, PA, SC, SD, TN, TX, UT, VT, VA, WV, WI, WY

Available full-time; Domestic and International

### **Fred B. Semke, P.E.**

Semke Forensic  
154 Hughes Lane  
St. Charles, MO 63301, USA  
636-896-9995  
Cell: 314-603-6382  
Fax: 636-896-9695  
fsemke@semke.com  
www.semke.com

Forensic engineering consultant for agricultural machinery and construction equipment. Extensive experience evaluating vehicle and mechanical equipment failures. Expertise complemented by hands-on experience operating and maintaining machinery on family farm. Failure Analysis, Accident Reconstruction, Product Liability, Consumer Products, Machinery, Manufacturing Equipment, Construction/Agricultural Equipment, Cranes, Elevators, Code Compliance Evaluations, Expert Testimony.

Initial date of registration 1998; MO, ID, IL, AR, KY, KS, OK, IA, AL

Available full-time; Domestic and International

## Registered Engineers

### **Gregg Short, P.E.**

Greenhouse Engineer  
Greenhouse Design, LLC  
13962 Gearhart Rd.  
Burbank, OH 44214 USA  
330-465-7531  
Fax: 330-624-7006  
gregg@greenhousedesign.us  
GShort.com, LLC

Greenhouse Design LLC Engineering Group provides consulting and design services for CEA, Research, Conservatories, and Commercial Greenhouses, and Grow Room Facilities including biological containment compartments. BIM design of structure & growing systems, mechanical, electrical, plumbing (MEP) services, and controls for complete growing environments. Greenhouse Energy Assessments, Condition Reports, Expert Witness.

Initial date of registration: 1999; Active: AR, CO, DC, IL, IN, MD, MA, MI, MN, MO, NE, NY, ND, OH, TX, UT, WI Inactive: CT, HI, OK, OR

Available full time; Domestic and International

### **Russ Stammer, P.E.**

Veenstra & Kimm, Inc.  
2900 43rd Street NW, Suite 650  
Rochester, MN 55901, USA  
507-951-4589  
rstammer@v-k.net  
www.v-k.net

Consulting engineering services for agricultural waste handling and storage, manure and nutrient management, food processing waste and wastewater treatment, egg production wastewater treatment, odor control, biofiltration, planning, design, construction observation, construction management, permitting, site design, drainage, stream stabilization, flood repairs, spray irrigation design, and structure design. NRCS project experience.

Initial date of registration 1985; IA, MN, NE, WI, SD

Available full-time; Domestic and International

### **Jerry L. Wille, P.E.**

President, Curry-Wille & Associates  
Consulting Engineers, P.C.  
425 S 2nd Street / PO Box 1732  
Ames, IA 50010, USA  
515-232-9078  
jwille@currywille.com  
www.currywille.com

Consultation on agricultural research/experiment stations, commercial and private facilities housing livestock and poultry or storing grain and seed. Services include designs, plans, and specifications for the general, structural, mechanical, and electrical portions of the projects, including site development, utilities, and waste handling.

Initial date of registration 1977; IA, OK, IL, KS, OH, ID, CO, MO, MN, MS, WI, NC, KY, NE, PA, IN, MI, NJ, AR, MD, TN, AL, VA, CA, NY, WA, WY

Available full-time; Domestic and International

## Other Consultants

### **Concepts Covers & Liners**

IEC  
21860 Hamburg Avenue  
Box 250  
Lakeville, MN 55044, USA  
952-829-0731  
Cell: 952-240-3321  
anderson@ieccovers.com  
www.ieccovers.com

IEC is a turn-key provider of covers & liners. We design, fabricate & install covers & liners on wastewater basins for large dairy & hog producers in addition to industrial and municipal projects. Anaerobic covers are our specialty. We work closely with engineers & clients using tanks and lagoons for projects involving energy, biosolids, rainwater or process treatment.

### **P. Morgan Pattison, PhD, LC**

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Principal Engineer



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**Timothy R. Royer, P.E.**  
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Your personal/company consultant business card could appear here. For information on rates (\$95 and up) visit [www.asabe.org/GuideToConsultantsinfo](http://www.asabe.org/GuideToConsultantsinfo) or contact Jill Straub, 269-932-7019, [straub@asabe.org](mailto:straub@asabe.org).

## WHAT A CONSULTING ENGINEER CAN DO FOR YOU

Because of their broad educational background, consulting agricultural engineers are a source of information on a wide variety of topics and can provide help with diverse technical problems. The design and management services agricultural engineers provide can be invaluable to small businesses without their own engineering departments, to agricultural producers and similar enterprises, and to large businesses or governmental agencies that want to supplement their in-house engineering departments. Consultants also can provide service to lending institutions, law firms, local units of government and planning boards, or to individuals that need expert witnesses or technical analysis.

### What is a Consulting Engineer?

A consulting engineer is an independent contractor retained to work on a project-by-project basis. A consulting engineer may work alone or as a member of a consulting firm. Consulting engineers can provide a high level of technical expertise, direct personal service, and highly technical advice. Many consulting engineers are licensed professional engineers in their state of residence and must qualify to obtain licensure in other states where they practice or provide services.

### What Expertise Does a Consulting Agricultural Engineer Have?

Agricultural engineers have a diverse educational background that makes them knowledgeable about many subjects; additionally, they usually focus their expertise on one of the following areas:

- Applied Sciences & Engineering
- Machinery Systems
- Education, Outreach & Professional Development
- Natural Resources & Environmental Systems
- Energy Systems
- Plant, Animal & Facility Systems
- Ergonomics Safety & Health
- Processing Systems
- Information Technology, Sensors & Control Systems

For more information, please visit [www.asabe.org/GuideToConsultantsInfo](http://www.asabe.org/GuideToConsultantsInfo)

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This stand-alone print directory is mailed along with our May/June issue of *Resource* magazine. It is also posted on the ASABE website for approximately 12 months and distributed when ASABE receives queries regarding consultants. It may also be distributed at other events. Search Google for “agricultural engineering consultant” or “biological engineering consultant” and see “Why Hire A Consultant”.

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# GUIDE TO CONSULTANTS

## CODE OF ETHICS OF ENGINEERS

### **The Fundamental Code of Principles**

Engineers uphold and advance the integrity, honor and dignity of the engineering profession by:

- I. using their knowledge and skill for the enhancement of human welfare;
- II. being honest and impartial, and serving with fidelity the public, their employers and clients;
- III. striving to increase the competence and prestige of the engineering profession; and
- IV. supporting the professional and technical societies of their disciplines.

### **The Fundamental Canons**

1. Engineers shall hold paramount the safety, health and welfare of the public in the performance of their professional duties.
2. Engineers shall perform services only in the areas of their competence.
3. Engineers shall issue public statements only in an objective and truthful manner.
4. Engineers shall act in professional matters for each employer or client as faithful agents or trustees, and shall avoid conflicts of interest.
5. Engineers shall build their professional reputation on the merit of their services and shall not compete unfairly with others.
6. Engineers shall act in such a manner as to uphold and enhance the honor, integrity and dignity of the profession.
7. Engineers shall continue their professional development throughout their careers and shall provide opportunities for the professional development of those engineers under their supervision.

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