

A Supplement to

RESOURCE

Engineering & Technology for a Sustainable World

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2009 Guide to Consultants



GUIDE TO CONSULTANTS 2009

This *Guide to Consultants* is presented as a service to people interested in agricultural/ 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 1868, 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 Engineer Listings

George Aull, Ph.D., P.E.

Engineering Resources Corp.
P.O. Box 910
Orangeburg, SC 29116, USA
803-536-6808
Fax: 803-531-3262
www.ercorp.net

Consultation, evaluation, planning, permitting, and design of agricultural water, waste, and wastewater systems. Investigation and development of agricultural and silvicultural land application plans for livestock wastes, biosolids, and wastewater effluents.

Initial date of registration 1980: NC, SC, GA
Available full-time; Domestic

Leonard L. Bashford, Ph.D., P.E.

2487 McKelvie Road
Seward, NE 68434, USA
402-643-6833
KLBLLB@alltel.net

Engineering and performance evaluation services for farmstead equipment, agricultural machinery, and tractors. Expert witness testimony for product liability issues including product safety and performance.

Initial date of registration 1968: AR, NE
Available full-time; Domestic

Robert "Bo" Conerly, P.E.

Kimley-Horn and Associates, Inc.
4 West Oak Street, Suite E
Arcadia, FL 34266-3971, USA
863-993-2518
Fax: 863-993-2618
bo.conerly@kimley-horn.com
www.kimley-horn.com

Evaluation, analysis, planning, design, GIS, regulatory coordination, and construction services for agricultural activities and improvements, including soil and water conservation, irrigation, drainage, Best Management Practices, water quality, land management practices, product processing, and waste management.

Initial Date of registration 2003: FL
Available full-time; Domestic

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

Neosho Engineering & Technology
20475 Udall Rd.
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

Daniel L. DeHaan, P.E.

DeHaan, Grabs & Associates, LLC
PO. Box 522
Mandan, ND 58554, USA
701-663-1116
Fax: 701-667-1356
danddga@btinet.net
www.dgaengineering.com

Consulting services for planning, design, construction monitoring, and permitting of agriculture production facilities. Services include site investigation, preliminary layouts, engineering surveying, facility design, regulatory permit application, construction staking and construction monitoring for swine, beef, dairy poultry bison, and other livestock facilities, soil and water conservation, grain handling facilities, and irrigation design.

Initial date of registration 1994: KS, OK, NE, SD, ND, IA, MT, ID, TX, IL
Available full-time; Domestic and International

Registered Engineers

Robert O. Diedrichs, P.E.

Diedrichs & Associates, Inc.
209 Franklin Street
Cedar Falls, IA 50613, USA
319-266-0549
rdiedrichs@diedrichs.ws
www.iowaengineer.com

Integrated product development services. Engineering, design, prototype build and testing of agricultural and construction vehicles, implementations, attachments, machines and systems. Problem solving and analysis related to performance, manufacturing cost and operator interface. Forty years consulting experience evaluating concepts for feasibility, estimating costs of design and development, and planning development programs. ProE, AutoCad, SolidWorks.

Initial date of registration 1964: IA

Available full-time; Domestic and International

Michael T. Drewyor, P.E. & P.S.

Michael T Drewyor PE PS LLC
1101 Agate Street
Houghton, MI. 49931, USA
906-482-1983
906-370-2984 (cell)
miked2@chartermi.net

Civil and Structural Engineering Consulting engineering and design engineering services for timber, wood frame and masonry structures and buildings. Concrete and steel design are also provided. Experience with all types of structures and structural systems. Designs are provided in accordance with the International Building Code and also the Michigan Building Code.

Initial Date of registration 1977: MI, OH, IN, IL, WI and MN in 1980's

Available full-time; Domestic

Jeff Elwer, P.E.

President, Elwer Engineering Services
11033 Aurora Avenue
Urbandale, IA 50322, USA
515-276-2588
Fax: 515-276-2685
jelwer@ElwerES.com
www.elweres.com

Consultation and design of seed, feed, and edible grain, processing facilities from receiving to warehousing. Internal disciplines include civil, structural, mechanical, agricultural, and electrical. Expertise in the design of receiving lines, sorting, drying, shelling, storage, cleaning, sizing, treating, packaging, climate controlled warehousing, dust control, air permitting, and construction of facilities.

Initial date of registration 1985: IL IA, KS, OH, TX, FL, MI, NE, MO, OK, NY

Available full-time; Domestic and International

Terry Feldmann, P.E.

Maurer-Stutz, Inc.
7615 N. Harker Drive
Peoria, IL 61615, USA
309-693-7615
Fax: 309-693-7616
tlfeldmann@maurerstutzinc.com

Consulting, evaluation, planning, and design services for livestock and poultry production facilities including expansion, site development, feasibility studies, renovation, ventilation and heating, environmental monitoring, product development, field research, manure handling/storage/treatment, permitting, nutrient management, odor assessments, equipment/material specifications and earthwork quantities. Expert witness testimony. Experience includes swine, dairy, turkeys, broilers, and beef.

Initial date of registration 1998: IL, IN, AR

Available full-time; Domestic and International

G. Jason Furrer, P.E.

Furrer FAB Designs
5197W 200N
Wolcott, IN 47995, USA
219-279-2302
Fax: 630-818-2810
jason@furrerfabdesigns.com
www.furrerfabdesigns.com

Design development, and analysis of machine components and systems. Experienced in working with patent attorneys for technical definitions of conceptual material. Proficient in using 3D modeling tools, and trained in sales and marketing techniques.

Initial date of registration 2001: IN, IL

Available full-time; Domestic

Gregory G. Grabs, P.E.

DeHaan, Grabs & Associates, LLC
P.O. Box 522
Mandan, ND 58554, USA
701-663-1116
Fax: 701-667-1356
greg@dgaengineering.com
www.dgaengineering.com

Consulting services for all species of production livestock facility design, including site assessment and feasibility studies; topographical surveying; preliminary designs, geological investigation; site development plans; regulatory submittal and permitting; construction bidding, staking, management, inspection, and certification. Experience also includes watershed modeling, drainage, and soil and water conservation design.

Initial date of registration 1995: KS, CO, MO, WY, SD, ND, WI, NE, MN, NM

Available full-time; Domestic and International

Ted A. Gribble, P.E.

Five-G Consulting
6355 Lamar Road
Reno, TX 75462, USA
903-783-9995
Fax: 903-784-2317
ted@fiveg.com
www.fiveg.com

Consulting and engineering for livestock facilities. Specialize in dairy and food processing waste systems. Experience worldwide in all climates.

Initial date of registration 1998: OR, NE, HI, NY, PA, TX, UT, NC

Available full-time; Domestic and International

Dale M. Gumz, CSP, P.E.

Inductive Engineering
10805 230th Street
Cadott, WI 54727-5406, USA
715-289-4721
dgumz@centurytel.net
www.inductiveengineering.com

Engineering consultant for agriculture, construction, consumer products, and specialty machines. Forensic and safety services include: accident reconstruction, safety responsibilities, human factors, manufacturing processes, mechanical and electrical, occupational safety, product liability, product and machine design analysis. Experience includes a farm background and safety and design engineering since 1970, manufacturing, safety, and forensic engineering. NCEES, CSP.

Initial date of registration 1975: IL, IA, MO, WI

Available full-time; Domestic and International

Bill Hughes, P.E.

Innoquest, Inc.
910 Hobe Road
Woodstock, IL 60098, USA
815-337-8555
Fax: 815-337-8556
bill@innoquestinc.com
www.innoquestinc.com

Engineering and design services for sensors, instruments, controls, enclosures, and mechanisms. Primary experience is in handheld and mobile products.

Initial date of registration 2004: IL

Available full-time; Domestic

GUIDE TO CONSULTANTS

Registered Engineers

David R. Hundebly, P.Eng.

Hundebly Consulting Ltd.
RR 4, Box 198
Saskatoon, SK S7K 3J7, Canada
306-242-6858
Fax: 306-249-1366
hundebly@sasktel.net
www.hundebly.com

Inventing, consulting, and forensic engineering services specializing in global design and analysis of agricultural implements and machinery (over 40 patents). "Expert witness" regarding dry land and row crop equipment in North America, Australia, and Europe. "Prior art" research and patent litigation courtroom experience. Assistance concerning safety evaluation and standards application. Actively involved in farming operation.

Initial date of registration 1993: SK (Canada)
Available full-time; Domestic and International

Richard W. Job, P.E.

Richard W. Job and Associates, LLC
770 Reese Street
Liberty, MO 64068, USA
816-415-8387
rich.w.job@sbcglobal.net

Managing the product design and development process; product safety evaluation process; standards application and compliance.

Initial date of registration 1985: WI
Available full-time; Domestic and International

Larry R. Johnson, P.E.

Oakwood Engineering LLC
W7975 Oakwood Lane
Fort Atkinson, WI 53538, USA
920-563-3371
Fax: 920-568-1228
ljohnsonwi@gmail.com

Consulting services for agricultural, construction, food processing, and outdoor power equipment. Services include product safety program development, safety evaluations of equipment and product documentation, claims management, and expert witness testimony. Litigation experience in personal injury, product performance, contracts, trade dress, patent and trademark issues. Over 30 years experience in operations and engineering management.

Initial date of registration 1974: MI, WI
Available part-time; Domestic and International

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

Agricultural Engineer
6024 S.W. 89th Terrace
Gainesville, FL 32608, USA
352-371-4655
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 facility layouts; earthwork modeling and design; dairy expansion evaluation; layout and design of milking centers, housing facilities, working areas, feed centers, and youngstock facilities. Complete waste management system evaluation, layout, and design.

Initial date of registration 1984: LA, GA, FL, KS, AZ, PR, CO, IA, VA, TX, KY, SD, OH, SC, NC
Available full-time; Domestic and International

James M. Miller, Ph.D., P.E.

Miller Engineering Associates, Inc.
2392 Fuller Court
Ann Arbor, MI 48105, USA
734-662-6822
Fax: 734-747-9712
jmiller@millerengineering.com
www.millerengineering.com

Hay, crop, and grain harvesting and storage; dairy and food processing safety; tractor, implement, and harvester safety; farm accident reconstruction; agricultural chemical safety; pesticide use, compliance, disposal, and contamination; equine and bovine accidents; roadway/highway accident reconstruction; slips, falls – premise, vehicle, ladder; design of user manuals, labels, and warnings; OSHA compliance.

Initial date of registration: MI, ID, OR
Available full-time; Domestic

Rodney M. Nohr, P.E.

NOHR Engineering Company
Yankton, South Dakota 57078-4344, USA
605-665-1214
Fax: 605-665-8060
nohr@nohengineering.com
www.nohengineering.com

Bulk materials - Grain and Feed Storage - Handling and Process Systems including bins, silos, docks and equipment – Agricultural, Commercial and Residential Structures, Vehicles, Equipment and Processes - Failure, Cause and Origin Inspections, Opinions and Reporting.

Initial date of registration 1976: CO, AZ, AR, ID, IN, IA, KS, ME, MI, MN, MS, MO, MT, NE, NM, NH, ND, OH, OK, SD, TX, VT, WI, WY
Available full-time; Domestic and International, Passport current

Richard L. Parish, Ph.D., P.E.

Richard L. Parish, PE, LLC
21135 Highway 16
Amite, LA 70422, USA
985-748-7019
Fax: 985-748-3813
parish@agmachineryengr.com
www.agmachineryengr.com

Forensic engineering; patents and product safety/performance/evaluation involving agricultural, grounds maintenance, and lawn/garden equipment. Experience with a wide range of agricultural and horticultural equipment. Past cases in patents, personal injury, wrongful death, product performance, advertising. Over forty years experience in engineering, engineering management, research, teaching, extension, and consulting.

Initial date of registration 1973: OH
Available part-time; Domestic and International

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 industries. These services encompass renovation and new construction, specializing in air systems and air handling equipment. All phases of projects from problem analysis and design to equipment procurement and construction management are provided to customers.

Initial Date of Registration 1993: IA, IL
Available full-time; Domestic

Douglas S. Prairie, P.E.

Prairie West LLC
4014 S Mill Site Ave
Boise, ID 83716, USA
208-387-7359
Fax: 866-550-8805
douglas@prairiewestllc.com
www.prairiewestllc.com

Provider of innovative machine design and product development solutions for Agricultural, Industrial and Off-Highway Equipment Industries. Services offered: product development, machine design, project management, supplier relationship development, testing & analysis, intellectual property development, international machinery standards, fluid power systems, engine emission regulations, failure analysis and Geometric Dimensioning and Tolerancing.

Initial date of registration 2008: ID
Available full-time; Domestic

Registered Engineers

Sybren Y. Reitsma, Ph.D., P.Eng.

Lacto-Tech Service
1025 Esdras Place
Windsor, ON N8S 2N1, Canada
519-974-9193
lacto@cogeco.ca

Machine milking investigations relating design, installation, operation and management to loss of milk and cows. Measurement and analysis of various types and designs of milking systems. Assistance in product liability and safety. Research experience at organizations in several countries and practical experience.

Initial date of registration 1982: ON (Canada)
Available part-time; Domestic and International

Len Ring, P.Eng.

Ring Irrigation Engineering
19 Fairmont Park Lane
Lethbridge AB T1K 7H6, Canada
403-382-0928
LRing@telus.net

Provides consulting services to farmers, irrigation & water districts, First Nations, government agencies, water managers and other consultants. Over 38 years of Canadian, US and international experience in irrigation and water resources specializing in on-farm & turf/landscape irrigation systems, irrigation system modernization, pipeline & pumphouse design, irrigation district governance, water & energy conservation and water & irrigation legislation.

Initial date of registration: 1972: AB (Canada)
Available part-time; Domestic and International

Gary R. Rogers, Vice President, P.E.

Packer Engineering, Inc.
301 McCullough Dr
4th Floor
Charlotte, NC 28262, USA
866-761-6727
PEinfo@packereng.com
www.packereng.com

Packer Engineering, established in 1962, offers expertise in failure analysis, accident investigation & reconstruction, product performance evaluation, and research & development. Our Engineering experience includes: Aviation, Agriculture, Biomechanical, Biomedical, Building Technology, Chemical, Fire & Explosions, Electrical, Environmental, Facilities, Human Factors, Machinery & Equipment, Materials, Mechanical, Intellectual Property, Oil & Gas, Structural, Transportation and Laboratory Services.

Initial date of registration 2005: IL, IN, MI, NC, OH
Available full-time; Domestic and International

Timothy R. Royer, P.E.

Timber Tech Engineering, Inc.
22 Denver Road, Suite B
Denver, PA 17517, USA
717-335-2750
Fax: 717-335-2753
trr@timbertecheng.com
www.timbertecheng.com

Consulting engineering and design services for timber frame and light wood constructed buildings. Design of manure containment structures and agricultural engineering. Concrete, masonry, and steel design. Also, building code review and computer aided drafting services.

Initial date of registration 1989: PA, CT, DE, FL, GA, IN, IA, MA, MI, MN, MO, MS, MD, NJ, NY, NC, OH, UT, VA, WV
Available full-time; Domestic

Thomas P. Rylett, B.A.Sc., M.Eng., P.Eng.

Consulting Structural Engineer
15 Anderson Avenue
St Thomas, ON N5P 4A2, Canada
519-633-1152
Fax: 519-633-3340
trylett@tprltd.ca

Grain Bin Failure Evaluation and Reporting, Expert Witness, Product Liability.

Initial registration 1996
Available full-time: Canada and US

Joy S. Shealy, P.E.

Shealy Engineering
306 High Bluff Lane
Irmo, SC 29063, USA
803-407-6627
Cell: 803-238-8410
shealyengineering@sc.rr.com
www.shealyengineering.com

Shealy Engineering is an agricultural consulting firm serving the Animal Industry. Our staff has over 15 combined years of experience in the regulatory arena and 8 combined years experience in consulting. We have extensive knowledge in GIS Mapping, permitting processes with local, state and federal authorities, CNMPs, and Erosion Control.

Initial date of registration 2003: SC, GA, NC
Available full-time; Domestic

Ralph Shirley, P.E.

Test Inc.
13776 Gunsmoke Road
Moorpark, CA 93021, USA
805-990-1908
RalphShirley@sbcGlobal.net

Engineering design and consulting for agricultural, construction, lawn and garden, and specialty machines.

Accident reconstruction, product liability investigation, biomechanical analysis, fire investigation. Forensic investigations include entanglement, rollover, vehicle collisions, fire and arson, warnings and instructions. On- and off-highway accident investigations. NAFI certified fire investigator. More than 30 years experience in the field.

Initial date of registration 1979: CA
Available full-time; Domestic and International

Michael D. Shook, P.E.

Agri Process Innovations
1012 E. 22nd Street
Stuttgart, AR 72160, USA
870-673-3030
Fax: 870-673-0808
mikeshook@apinnovations.com
www.apinnovations.com

Over 60 years combined engineering and project management experience, specializing in biofuels, rice, grain, soybean and vegetable oil processing. Services include licensed PE services, consulting, project management, procurement, turnkey contracting, plant audits, feasibility studies, concept development, complete processing plants. Complete biodiesel and corn fractionation facilities including engineering, consulting, and design.

Initial date of registration 1987: AR, NE, KS, MO, IA, LA, IL
Available full-time; Domestic and International

Russ Stammer, P.E.

Bonestroo
6188 Rome Circle NW
Rochester, MN 55901, USA
507-529-6055
Fax: 507-282-3100
russ.stammer@bonestroo.com
www.bonestroo.com

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

Initial date of registration 1986: IA, MN, NE, WI
Available full-time; Domestic and International

Registered Engineers

Michael J. Tiry, P.E.

Tiry Engineering, Inc.
PO Box 44
Chippewa Falls, WI 54729, USA
715-723-6777
Fax: 715-723-6842
mtiry@tiryengineering.com
www.tiryengineering.com

Agricultural engineering services including site design, waste storage and transfer, permitting, resource recovery, energy recovery, bunker leachate collection, stormwater runoff and erosion control, nutrient management, expert witness.

Initial date of registration 1974: WI, MN, IA, NY
Available full-time; Domestic

Illari Vihinen, P.E.

EnSave Inc.
65 Millet Street Suite 105
Richmond, VT 05477, USA
800-732-1399
Fax: 802-434-7011
illariv@ensave.com
www.ensave.com

EnSave supports the American agricultural sector with innovative energy efficiency and resource conservation solutions. EnSave provides agricultural producers and food processors with cost-effective ways to reduce operating costs while saving energy and conserving natural resources. EnSave's clients include farms, state and federal environmental agencies, investor-owned utilities, and rural electric cooperatives.

Initial date of registration 2000: OH
Available full-time

Andrew W. Wedel, P.E.

McLanahan Corp.
200 Wall Street
Hollidaysburg, PA 16648, USA
814-695-9807
Fax: 814-695-6684
awedel@mcclanahan.com
www.mclanahan.com

Design of sand-laden manure conveyance, separation and storage systems. Services also include: troubleshooting flush and pump systems, procurement of grant funding; design and implementation of best management practices related to nutrient management plans; and laboratory analysis of bedding sand.

Initial date of registration 1999: PA, DE, MI, WI
Available full-time; Domestic and International

Bruce Westerman, P.E.

Mid-South Engineering Company – MSECO
1658 Malvern Avenue
Hot Springs, AR 71901, USA
501-321-2276
Fax: 501-624-4214
bwesterman@mseco.com
www.mseco.com

Biomass and renewable energy services include: process/plant design, feasibility/planning, pro-forma "due diligence", mass/energy balances, material storage and handling design, heat energy systems, and equipment integration. Mid-South, with registrations in 26 states, offers detailed engineering design (agricultural, industrial, mechanical, civil, electrical & structural), project management, construction management, start-up, commissioning and training.

Initial Date of Registration 1996: AR, MS, LA, MO, GA, VA, ID
Available full-time; Domestic and International

Jerry L. Wille, P.E.

President, Curry-Wille & Associates,
Consulting Engineers, P.C.
425 S. 2nd Street / P.O. Box 1732
Ames, IA 50010, USA
515-232-9078
Fax: 515-232-9083
jwille@currywille.com
www.currywille.com

Consultation on agricultural 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, SD, IN, MI, NJ, AR, MD, TN, AL, GA, VA
Available full-time; Domestic and International

Dale Wm. Zimmerman, P.E.

President, Mock, Roos & Associates, Inc.
5720 Corporate Way
West Palm Beach, FL 33407, USA
561-683-3113
Fax: 561-478-7248

Engineering, surveying, planning, including reports, permitting, design, and construction phase services for agriculture; land development; public works; water control districts; stormwater management; irrigation; pump stations, potable water and wastewater systems and treatment; water wells; environmental assessment; best management practices; waste management; water quality monitoring; mapping, CAD, GIS, and GPS.

Initial date of registration 1969: FL
Available full-time; Domestic and International

Other Consultants

Nellie J. Brown MS., C.I.H.

Director of Workplace Health & Safety Programs
Certified Mold Assessor
Lead Programs Manager
Cornell University, ILR School
237 Main St., Suite 1200
Buffalo, NY 14203-2702 USA
716.852.4191
Fax: 716.852-3802
njb7@cornell.edu

Nellie Brown is a certified industrial hygienist, providing health and safety training and technical assistance. She developed a process failure and hazard assessment protocol for anaerobic digesters used for processing manure and generating electricity on dairy farms. Nellie serves on an ASABE committee developing a standard on manure pit ventilation.

Available part-time

Gary M. Hyde, Ph.D.

G.M. Hyde Consulting
750 SE Pheasant Run
Pullman, WA 99163-6414, USA
509-336-9143
gmhyde1@mac.com

Consulting in agricultural equipment and systems, especially for handling of fruits and vegetables. Includes expert witness work, especially relating to patent infringement.

Available part-time; Domestic

David L. Valcore

Valcore Consulting LLC
10430 Holaday Drive
Carmel, IN 46032 USA
317-748-7185
Fax: 317-252-2771
dvalcore@sbcglobal.net

Spray drift issues and forensics, EPA labeling, pesticide environmental fate modeling including AgDRIFT, AGDISP; application science and best management practices, - all use patterns, ground, aerial, chemigation, and specialty; spray atomization science and testing; formulation and tank mix effects on deposition, coverage and off-target movement; experience with new product and application ideation and development; greenhouse and field testing issues; 30 + yrs experience.

Available part-time; Domestic and International

Tim Van Pelt

Registered Patent Attorney
Simmons Perrine Moyer Bergman PLC
115 Third Street S.E., Suite 1200
Cedar Rapids, IA 52401-1266, USA
319-366-7641
Fax: 319-366-1917
tvanpelt@simmonsperine.com
www.simmonsperine.com

Registered Patent Attorney. Handles all aspects of patent and trademark matters, including prosecution of applications before the United States Patent & Trademark Office, drafting and negotiating license agreements, patent portfolio planning, and conducting due diligence in mergers and acquisitions involving the sale of intellectual property.

Professional Service Card Listings

DIEDRICHS & ASSOCIATES, Inc.
Integrated Product Development Services
 Vehicles, Implements and Tools
 Engineering, Design and Analysis
 Prototype Build, Test and Evaluation
 R. O. Diedrichs, P.E. Cedar Falls, IA
 319-266-0549 www.iowaengineer.com

Five-G Consulting
 D. Joe Gribble, A.E.
 Donald L. Gribble, P.E.
 Ted A. Gribble, P.E.
 (903) 783-9995
 Fax (903) 784-2317
 6355 Lamar Road, Reno, Texas 75462
 eng@Fiveg.com • www.fiveg.com
 Professional Engineering and Consulting Services for Dairies, Beef
 Feedlots, and All Types of Agricultural Waste Management Systems

Irrigation and Wastewater Systems, Sales and Engineering/Design
www.IRRIGATION-MART.com
 300 S. Service Road, E.
 Ruston, LA 71270-3440
 Ph: 800-SAY RAIN (729-7246)
 318-255-1832
 Fax: 318-255-7572
 info@irrigation-mart.com


 Robin Robbins, Agronomist
 Michael Phippen, Mechanical Engineer, EI, CID
 Jay Robbins, Agricultural Engineer, P.E., CID
 Jackie Robbins, CEO, CID, Ph.D., Agricultural Engineer, P.E.

DeHaan, Grabs & Associates, LLC
 Consulting Engineers
 Mandan, ND; Lincoln, NE
 (701) 683-1118; (402) 742-4878
 www.dgengineering.com
 DANIEL L. DEHAAN, P.E. GREGORY G. GRABS, P.E.
 • Dairy, Bison, Beef, Swine and Other Production
 Livestock Facility Layout, Design, Regulatory
 Permitting and Construction Development
 • Best Management Practices, Waste Management
 Plans and Pollution Prevention Plans
 • Environmental Audits and Assessments

INDUCTIVE ENGINEERING
 DALE GUMZ, P.E., C.S.P.
 10805 230th Street
 Cadott, WI 54727-5406
 • Accident Reconstruction
 • Mechanical & Electrical
 • Safety Responsibilities
 • Product & Machine Design
 715-289-4721 dgumz@centurytel.net
 www.inductiveengineering.com

Mock, Roos & Associates, Inc.
 Engineers • Surveyors • Planners
Agricultural and Environmental Engineering
 Soil and Water • Citrus • Dairies • Waste Management
 Environmental Assessment • Best Management Practices
 Farm Structures • Pump Stations • Agri-Businesses &
 Farm Plans • Permitting and Design • Water Quality
 Monitoring • Mapping, CAD & GIS
 Dale Wm. Zimmerman, P.E.
 President and Managing Principal
 5720 Corporate Way • West Palm Beach, Florida 33407
 Phone (561) 683-3113 ext. 214 • FAX (561) 478-7248

Miller Engineering Associates, Inc.
 James M. Miller PE, PhD, President
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GUIDE TO CONSULTANTS

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. Practicing consulting engineers must be 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:

- Aquaculture
- Biological Applications
- Energy
- Environmental Quality
- Food and Food Processing
- Forestry
- Information and Electrical Technologies
- Power and Machinery
- Safety
- Soil and Water Resources
- Structures and Environment

For more information, please visit www.asabe.org/membership/consulting.html.

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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