

**TAYLOR & ASSOCIATES, INC.**  
**Consulting Engineers**

**PROVIDING PROFESSIONAL SERVICES**

**Woodward, Oklahoma**

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## **INTRODUCTION**

**Taylor & Associates, Inc. began in Garden City, Kansas. We have provided consulting engineering, planning, land surveys, soils, concrete and asphalt testing and design, along with environmental studies to clients since January 1980. On January 1, 1981, Taylor & Associates, Inc. became a corporation under the Kansas Board of Technical Profession Guidelines. Taylor & Associates, Inc. is fully staffed with professional and technical personnel. Our laboratory and field service units provide the equipment necessary to provide the entire range of services for civil engineering, surveying, technical drafting, and geotechnical testing.**

**This corporate profile provides a general introduction to the personnel, experience, and facilities available through the services of Taylor & Associates, Inc. The information presented herein provides potential clients with the experience and qualifications of our firm, our facilities, and key personnel profiles. Also included are summaries of specific projects on which the firm has worked in recent years. Additional or more information can be provided upon request.**

**The wide range of clients who have been served by Taylor & Associates, Inc. include a broad spectrum of private individuals, organizations, churches, school districts, businesses, counties, cities, state governments, and federal agencies. These services have generally been performed as the prime professional engineer, but on occasions have worked as a joint venture or sub-contract arrangement. Taylor & Associates, Inc. has cooperative working arrangements with many qualified and competent design professionals and firms to provide additional support or unique expertise as circumstances dictate.**

**Located in Woodward, Oklahoma, our personnel resources cooperate as needed to provide the services required to support our customers. When expertise or productive capacity, beyond the limits of what is maintained in-house, is required, we are able to expand to provide the desired service. The firm employs 10 to 15 people depending on the workload and time of year.**

**Our core staff is made up of people who have been involved with the engineering industry in excess of 10 years. Members of the firm are licensed to practice and provide professional engineering expertise in the states of Colorado, Oklahoma, and Kansas. Although the primary consulting services of Taylor & Associates, Inc. relate directly to engineering work, the firm's staff includes engineers, planners, environmentalists, licensed land surveyors, and laboratory technicians. Our staff includes certified technicians and inspectors who are able to provide the full scope of services to counties, cities, and state government as required. Taylor & Associates, Inc. is fully covered by professional liability insurance.**

**Name:** Lot F. Taylor – Professional Engineer, Registered Land Surveyor, Certified  
Environmental Inspector/Specialist, Asbestos  
Inspector/Supervisor, Radon Measurement/Mitigation, Licensed  
Home Inspector

**Personal Information:**

I was born in El Dorado, Kansas in 1939 and later moved to Manhattan, Kansas. I graduated from Manhattan High School in 1957. I immediately joined the Marines and served for 3 years in active duty and 3 years inactive duty. I married Loraine Hoerman in 1960. I attended Kansas State University to follow in my father's footsteps. In 1964 I graduated with a B.S. degree in Animal Husbandry.

I began working at Spillway Marina, a resort on Tuttle Creek Lake, Manhattan, Kansas. Several years later I became a principal stockholder in the marina and managed it until 1972. During that time I returned to KSU and received a Bachelor of Science degree in Civil Engineering in 1972. For a very short time I worked at the Kansas Department of Health and Environment. I obtained my Professional Engineering license in Kansas in 1976 and my Land Surveyors license in 1977. I later obtained my engineering and land surveyors licenses in Oklahoma and Colorado.

I have worked with almost all the cities in Southwest Kansas, at one time or another. Garden City, Kansas, where my office was located, was of course where I did most of my work. I have done testing, street design, sanitary sewer design, subdivisions and geotechnical work.

**History of Employment:**

My engineering work history began in 1972 after graduating in civil engineering with a BS from Kansas State University, Manhattan, KS. I accepted a position with the Kansas Department of Health and Environment in Topeka reviewing plans and becoming familiar with the regulations.

**I saw this position would keep me in an office in Topeka and after a few months went to work for Foster, Van Gundy Engineers in Ellsworth, KS. I worked on designs for several towns and then designed a rural water district in South Dakota.**

**After two years I went to work for Evans Bierly Hutchison & Associates of Great Bend, Kansas. I worked in the Lawrence, Kansas office and then opened their new office in Garden City, Kansas in 1975. In 1979 I purchased the office from Evans Bierly Hutchison. The office grew and for many years Taylor & Associates, Inc. was the largest Kansas engineering and surveying office west of Wichita.**

**In 1996 I opened a branch office in Woodward, Oklahoma with the thought in mind to reduce my workload and be closer to my grandchildren. My love of engineering is still a big part of my life and thus I still work full time.**

**Respectfully Submitted,**

**Lot F. Taylor P.E.**

**Lot F. Taylor, P.E., R.L.S., C.E.S.**  
President, Project Manager

Lot F. Taylor is the Owner and C.E.O. of Taylor and Associates, Inc. He is a professional Engineer and Land Surveyor registered in three states. He has extensive experience in the design of streets, water and sewer systems, and landfill operations. Mr. Taylor oversees all tests conducted on concrete, soils, and asphalt in the laboratory.

**Expertise**

Project Management  
Environmental Engineering  
Site Planning and Permitting  
Zoning and Regulations  
Building and Site Inspections  
Soils, Concrete, Asphalt  
Storm Drainage  
Platting of City Lots  
& Full Design Sewer  
Water, Curb, & Gutter  
Pavement

**Education**

B.S., Animal Husbandry  
Kansas State University – 1964

B.S., Civil Engineering – 1972  
Kansas State University

Hazardous Waste Site Operations  
University of Kansas – 1990

**Other Training in:**

National Asbestos Training  
Radon Measurement/Mitigation

**Certification/Registration**

Professional Engineer – Kansas, Colorado,  
and Oklahoma

Registered Land Surveyor - Kansas,  
Colorado, and Oklahoma

Certified Environmental  
Inspector/Specialists

Certified Radon Measurement/Mitigator  
Asbestos Inspector (AHERA) Planner Management  
Asbestos Supervisor (AHERA)  
Licensed Home Inspector

**Professional Affiliations**

National Society of Professional Engineers  
Professional Engineers in Private Practice  
Kansas Land Surveyors Association  
Oklahoma Society of Land Surveyors  
American Water Works Association  
Water Pollution Control Federation  
Environmental Assessment Association  
American Society of Home Inspectors  
Association of Groundwater Scientists and  
Engineers  
National Federation of Independent  
Business (NFIB)

**Frank Windholz**  
**Survey Party Chief**

**Expertise**

**Head Surveyor**  
**Concrete and Asphalt Inspector**  
**Construction Staking**  
**Lab Technician**

**Education**

**Attended Fort Hays State University**  
**Attended Wichita State University**

**Certification/Registration**

**Registered Land Surveyor,**  
**Kansas & Oklahoma**  
**ACI Concrete Field Testing Technician**  
**Grade I**  
**Asbestos Inspector**  
**Nuclear Gauge Radiation Safety Officer**  
**Nuclear Gauge Operator Safety Training**

**Professional Affiliations**

**Oklahoma Society of Land Surveyors**  
**Kansas Society of Land Surveyors**  
**American Public Works Association**

**Mr. Windholz came to work for us in 1983 and is the lead surveyor, part owner, and crew party chief for Taylor & Associates, Inc. He is primarily involved with topographic surveys, section surveys, and plat surveys but also has experience with both bridge and construction staking. Mr. Windholz has considerable expertise with Marshall designs, sieve analysis; proctor testing, and asphalt plant and road inspection, as well as nuclear density testing. He is qualified for concrete plant inspection and is an ACI Concrete Field Testing Technician.**

**Jeremy Gulley**

**Draftsman (AutoCAD) (Eagle-Point)**

**Engineering Technician**

**Field Crew Survey Technician**

**Expertise**

**Concrete Testing**

**AutoCAD**

**Eagle Point**

**In House Computer Technician**

**Education**

**1999 Graduate of Eddyville/Blakesburg IA, High School**

**1998-2006 Armed Forces**

**Honor Graduate BCT**

**Honor Graduate AIT**

**Dual Classification-Light-Wheel Mechanic**

**Automated Logistics Specialist**

**Honorably Discharged as E-4**

**Certification**

**ACI Concrete Field Testing Technician Grade 1**

**Asbestos Inspector**

**Nuclear Gauge Operator Safety Training**

**Jeremy came to work for us in 2005 and is a Draftsperson, soil and concrete testing technician for the Woodward office and is also responsible for our in house networking system, building and maintenance of computer stations. Jeremy has been extensively involved in multiple projects. Jeremy has done a large amount of storm drainage projects and helped in all calculations and layouts along with platting of city lots and full design of sanitary sewer water and street layout.**

**Danny Hutchison**

**Draftsman (AutoCAD) (Eagle-Point)  
Field Crew Survey Technician**

**Expertise**

**Drafting  
AutoCAD  
Eagle-Point**

**Education**

**A.A.S. Computer Aided Drafting and Design, Oklahoma City Community College -  
1995.**

**Northwestern Oklahoma State University – Mathematics, Drafting, General Ed.  
1983-1987**

**Danny began his employment in 2004 and has been involved in various Engineering  
Projects ranging from Solid Waste Landfills to Drainage Projects.**

**Harley Sadler**

**Soil and Concrete Technician  
General Maintenance  
Field Crew Survey Technician**

**Expertise**

**Concrete Field Technician  
Soil Testing Technician  
Carpentry, Plumbing, Welding, Vehicle Maintenance and light repair**

**Certification**

**ACI Concrete Field Testing Technician, Grade 1  
Asbestos Inspector  
40 hours Hazwoper Training  
Nuclear Gauge Operator Safety Training**

**Education**

**Graduate of Grandfield High School, Grandfield, Oklahoma  
Attended 3 years, Cameron University, Lawton, Oklahoma**

**Harley is a soil and concrete testing technician in the Woodward office of Taylor & Associates, Inc. His primary duties include all aspects of soil and concrete testing, permeabilities, proctors, atterberg limits, sieve analysis', and concrete cylinders. Harley also does manufactured home inspections and whole house inspections. Harley is a lead inspector on all our construction jobs, such as storm sewer drainage, sanitary sewer installation, and water line. Harley came to work for Taylor & Associates in 2005**

**Jim Steenbergen**

**Soil and Concrete Technician  
General Maintenance  
Field Crew Survey Technician**

**Expertise**

**Prior two years experience in  
Standard Testing – Tulsa  
Concrete Inspector  
Soils Testing Technician  
Lab Technician**

**Education**

**Bachelors degree from Oklahoma State University  
Aggregate short course – O.S.U.  
Asbestos Inspector  
Qualified to run nuclear density gages**

**Certification/Registration**

**ACI Concrete Field Testing Technician  
Nuclear Gauge Operator Safety Training**

**Jim is primarily involved with nuclear density testing, concrete field-testing and soils and aggregate lab testing. His experience also includes being a survey crewmember. Jim is qualified in many different fields and is a diligent worker and was raised on a farm outside of Woodward. He has been with us since 2007.**

**Jase Day**

**Soil Technician  
Field Crew Survey Technician  
Draftsman (AutoCAD) (Eagle-Point)**

**Expertise**

**Soils Testing Technician  
Drafting, Eagle-Point, and AutoCAD**

**Education**

**2008 Valedictorian Graduate of Sharon-Mutual High School  
Currently attending Northwest Oklahoma State University**

**Certification/Registration**

**Asbestos Awareness  
Nuclear Gauge Operator Safety Training**

**After graduation in 2008, Jase came to work for us and is attending Northwestern Oklahoma State University. Jase has worked on rather complicated trailer park designs and soils balancing in parking lots, some commercial design, and a state highway gas line crossing. He is skilled in AutoCAD and other computer programs. He shows good design work common sense.**

## **CORE COMPETENCIES**

The core competencies and services offered by Taylor & Associates, Inc. consists of the following:

### **Civil Engineering Services**

- **Structural Design**
- **Watershed Studies**
- **Public Sanitary Sewer Design**
- **Public Sanitary Sewer Design**
- **Water Treatment Design**
- **Curb & Gutter Design and County Road Design**
- **Hydrological Studies**
- **Construction Management**
- **Landfill Design**

### **Surveys**

- **Engineering Surveys**
- **Section Surveys**
- **Boundary Surveys**
- **Construction Staking**
- **Pipeline Surveys**
- **Land Surveys**
- **Subdivision Plats**

### **Environmental Engineering**

- **Water Treatment Facilities**
- **ASTM Phase I, II, & III**
- **Wastewater Collection**
- **Construction and Testing of Monitoring Wells**
- **All Types of Collection of Soil and Water Samples**

### **Planning Services**

- **Land Development Plans**
- **Park and Recreation Planning**
- **Zoning and Land Use Studies**
- **Subdivisions and Central Business Plans**

**Geotechnical soils bore with our Mobile B50 drilling**

## **FACILITIES**

**Taylor & Associates, Inc. is located in Woodward, Oklahoma and is fully equipped with extensive drafting materials and equipment, along with document reproduction and binding equipment, a reference library, and file management facilities.**

**The firm's resources include a full complement of automated equipment, which support our technical, administrative, and financial personnel. Hardware resources consist of personal computers, digitizers, scanners, printers, and large-scale plotters, which are primarily used to download survey information, perform survey and design calculations, and to create/modify design drawings. The software used includes the latest version of industry standard Eagle-Point and AutoCAD drafting tools. Microsoft Office Software provides the full range of office automation tools that fill our word processing, spreadsheet, budgeting, and presentation support needs. Our workstations include e-mail and Internet services as well as some proprietary programs.**

**Our facilities include a laboratory that is equipped and maintained by Taylor & Associates, Inc. for testing and analysis of soils, concrete, and asphalt. Test equipment is available to perform the following:**

- **Asphalt and Concrete Inspection**
- **Asphalt Content by Nuclear Gauge**
- **Asphalt Marshall Design**
- **Atterberg Limits –Liquid Limits, Plastic Limits, and Plasticity Index**
- **California Bearing Ratio (CBR)**
- **Concrete Testing and Design, including Slump, Air Content, and Concrete Yield**
- **Compressive Strength, and Flexural Strength**
- **Core Sampling and Testing on Asphalt and Concrete**
- **Density Measurement using Troxler Nuclear Density Machines**
- **Sieve Analysis – Ability to run two analysis tests simultaneously**
- **Soils Classification**
- **Standard and Modified Proctor Moisture Density Curves**

**Taylor & Associates, Inc. maintains several survey crews. Each crew is equipped with industry standard surveying equipment using GPS (Global Positioning Satellite) technology. We also have available several Leitz Total Stations and survey instruments which increase surveying flexibility, efficiency and accuracy.**

**Mobile units are also available to perform core drilling in the field.**

## **CERTIFICATIONS**

**Professional Engineer (PE) licensed in the states of Kansas, Colorado And Oklahoma.**

**Registered Land Surveyor (RLS) licensed in the states of Kansas, Colorado and Oklahoma.**

**ACI Concrete Field Testing Technician, Grade I**

**Certified in asbestos inspection and supervision**

**Radiation training certificate**

**Certified Environmental Inspector (CEI)**

**Hazardous Waste Site Operations Instructor.**

**Water Well Contractors License in the states of Kansas and Oklahoma**

**40-Hour Hazardous Waste Training Course**

**Certified Hazard Control Manager**

**Certified Safety Specialist/Manager**

**Certified Radon Measurement**

**Certified Radon Mitigator**

**Certified Environmental Specialists (CES)**

**Concrete Testing and Design including; Slump, Air Content, Yield, And Compressive and Flexural Strength**

**Core Sampling and Testing on Asphalt and Concrete**

**Density Determination using one of three Troxler Nuclear Density Testing Machines**

**Sieve Analysis – equipment is available to run two-sieve analysis tests at the same time.**

**Soils Classification**

**Standard and Modified Proctor Moisture Density Curves**

**Pressure Permeability Test**

**Falling Head Permeability Test**