

Resume  
Of  
**Keith E. Andersen**  
**P.O. Box 446**  
**Edgemont, SD 57735**  
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## **PROFESSIONAL EXPERIENCE**

**1990 – PRESENT Andersen Engineers, Inc., Edgemont, SD, consulting engineering/land surveying company.**

Owner – Performed all types of land surveys, including boundary surveys, construction staking, subdivisions, cadastral surveys, etc. Survey experience includes work for Black Hills National Forest and Nebraska National Forest performing cadastral surveys involving retracement of Mineral Surveys, Homestead Entry Surveys, and GLO surveys. Extensive experience involving corner search, evaluation of conflicting evidence and landowner relations required in order to successfully complete a wide variety of surveying projects for public and private clients. Municipal engineering projects, water supply and distribution system evaluation, asbestos inspection, and other small engineering projects. Responsible for design, permitting, construction management and inspection of Subtitle D Landfill. Design and construction management of subdivisions, including water and sewer, curb and gutter, and streets. Performed site assessment and remedial design at petroleum release sites.

**1989-1990 South Dakota Disposal Systems, Inc., Edgemont, SD owner/operator of a municipal solid waste disposal facility.**

Project Manager – Responsible for managing all aspects of construction, operation, environmental monitoring, and reclamation of 8 million tons capacity MSW bale fill. Work included hiring and training workforce, equipment selection and maintenance management, regulatory compliance and coordination with State and Federal regulatory agencies, landowner relations, and all other aspects of on-site management.

**1976-1989 Silver King Mines, Inc., Edgemont, SD, a management contractor for the Tennessee Valley Authority's Edgemont Uranium Properties.**

1987 – Promoted to Assistant General Manager – Edgemont Mill site Decommissioning Project – a 30 million dollar uranium mill site reclamation project.

In addition to assuming overall project management responsibilities when required, position required supervision of all engineering, construction, and equipment maintenance functions on project. Knowledge of general earthwork construction, clay liner construction and CQA, riprap placement and inspection, equipment maintenance and PM programs, construction scheduling, construction engineering, budgeting, intermediate and final reclamation practices, and general construction management required. Also performed all duties of chief engineer.

1982 – Promoted to Chief Engineer – Edgemont Mill site Decommissioning Project. - Position required supervision of ten member engineering staff in performing all engineering work on project. Responsibilities included construction management and scheduling, budget preparation, supervision of onsite soils testing lab, supervision of earthwork construction inspection and quality control testing, supervision of construction surveying, preparation of engineering reports, development of quality control records control system, and providing technical support in coordinating project activities with regulatory agencies. Also acted as technical advisor for surface water and groundwater monitoring programs, including providing design and installation supervision for monitor well construction programs.

1978 – Promoted to Chief Engineer – Proposed Burdock-Dewey Uranium Mining Project Supervised 6-12 member engineering staff in performing work associated with uranium exploration and mine planning. Duties included mine planning, claims location and surveying, establishment of second-order horizontal and vertical survey control net for mine planning and exploration drilling surveys, provide technical assistance for exploration permit applications and reports, provide supporting testimony before SD Board of Minerals and Environment at permit renewal hearings, design and supervise aquifer monitoring and testing programs, and supervise groundwater monitoring program.

1976 – Employed as Project Hydrologist – Proposed Burdock-Dewey Uranium Mining Project Responsibilities included design and operation of aquifer monitoring programs, design and installation of monitor and test wells, and routine engineering and surveying duties.

### **1972-1976 – US Dept. of Interior, Bureau of Reclamation, Oahe Project, Redfield, SD**

1972 – Employed as Civil Engineer – Proposed Oahe Irrigation Project. Duties included performing in-situ hydraulic conductivity tests of project soils, field soils investigations, design of subsurface drainage systems, development of computer model to simulate groundwater movement under irrigation and inspection of existing irrigation project works.

### **Professional Training**

Introduction to the Geographic Coordinate Database”, CFedS Training Program, Ron Scherler, Marc Thomas, and Janet Wilkins, BLM, February, 2009

“Taking the Terror Out of Testifying”, James Vukelic, SDSPLS, January 17, 2009

“SD Codified Law Workshop”, SDSPLS, January 16, 2009

“Bona Fide Rights – A Look Given Current Case Law”, John Farnsworth, BLM, SDSPLS, January 16, 2009

“Junior-Senior Corners, Overlaps & Hiatus”, John Farnsworth, BLM, SDSPLS, January 15, 2009

“Special Boundary Problems”, CFedS Training Program, John Farnsworth & Bob Thompson, BLM, December, 2008

“GPS-Derived Heights, Bill Henning, NGS, SDSPLS, January 12, 2008

“Documentation for Self-Defense”, Wendy Lathrop, SDSPLS, January 11, 2008

“To Accept or Not to Accept”, Wendy Lathrop, SDSPLS, January 10, 2008

“Subdivision of Fractional Sections”, Ron Scherler, BLM, SDSPLS January 13, 2007

“Discrepancies in the Official Record”, Ron Scherler, BLM, SDSPLS, January 12, 2007

“GPS Derived Heights”, William Henning, NGS, SDSPLS, January 11, 2007

“Certified Federal Surveyor Program”, Bureau of Land Management – National Training Center, Phoenix, AZ, Oct. – Dec., 2006

“Retracing Mineral Surveys”, John Stock, US Mineral Surveyor, SDSPLS, January 14, 2006

“Deed Research and Boundary Determination”, John Stock, US Mineral Surveyor, SDSPLS, January 12 – 13, 2006

“Review of SD Codified Laws Relating the Practice of Land Surveying in SD”, SDSPLS, January 15, 2005

“Ethics for Professional Surveyors”, Dennis Mouland, BLM, SDSPLS, January 14, 2005

“Lotted Sections Workshop”, Dennis Mouland, BLM, SDSPLS, January 13-14, 2005

“Tracking the Railroads”, Wendy Lathrop, Mercer County College, SDSPLS, January 10, 2004

“Floodplain Development – A Technical Guide”, Wendy Lathrop, Mercer County College, SDSPLS, January 9, 2004

“FEMA Floodplain Mapping Issues”, Wendy Lathrop, Mercer County College, SDSPLS, January 9, 2004

“Riparian Boundaries” Frank A. Hart, BLM, SDSPLS, January 9 – 11, 2003

“Successful Construction Staking”, Ballew Consulting Services, SDSPLS, January 10, 2003

“National Spatial Reference System”, David Doyle, NGS, SDSPLS, January 12, 2002

“Surveyor’s Recognition of Rights in Real Property”, Jerry Broadus, SDSPLS, January 11, 2002

“Contracts and Professional Liability, Tom Johnson, SDSPLS, January 10, 2002

“The Business of Land Surveying”, Gary Kent, The Schneider Corporation, SDSPLS, January 13, 2001

“ALTA/ACSM Land Title Surveys”, Gary Kent, The Schneider Corporation, SDSPLS, January 12, 2001

“The Jasper Fire – Remote Sensing and GPS”, Ralph Turner, USDA-Forest Service, SDSPLS, January 11, 2001

“Geodesy Basics”, James Reilly, SDSPLS, January 8, 2000

“Practical Surveying With GPS”, James Reilly, SDSPLS, January 7, 2000

“HARN Through the Internet”, Michael Jordan, SD DOT, SDSPLS, January 6, 2000

“Monuments and Lines of Possession”, Knud Hermansen, PLSW, November 12, 1999

“Contracts and Negotiable Instruments”, Knud Hermanson, SDSPLS, January 9, 1999

“Standards in Practice”, Knud Hermansen, SDSPLS, January 8, 1999

“Records Research and Liability”, Knud Hermansen, SDSPLS, January 7, 1999

“History of the Public Lands Survey System”, Dennis D. Shreves, SDSPLS, January 8 - 9, 1998

“Applied State Plane Coordinates”, Dennis D. Shreves, Professional Land Surveyors of WY, November 15, 1997

“Writing Legal Descriptions”, Dennis D. Shreves, SDSPLS, April 26, 1997

“Professional Liability and Responsibility in Land Surveying”, Walter G. Robillard, SDSPLS, January 6, 1996

“Use of the South Dakota HARN Network”, Merle Swenson, SD DOT, SDSPLS, January 5, 1996

“Evidence and Its Use in Boundary and Title Disputes”, Walter G. Robillard, SDSPLS, January 5, 1996

“Resolving Conflict of Evidence”, Walter G. Robillard, SDSPLS, January 4, 1996

“Managing Your Firm for Profit”, Milton Denny, SDSPLS, January 7, 1995

“Floodplain Analysis and Use of the FIRM”, John Liou, FEMA, January 6, 1995

“Construction Surveying”, Milton Denny, SDSPLS, January 5, 1995

“SD State Plane Coordinate System”, David Knowles, SDSPLS, January 8, 1994

“Corner Remonumentation”, Dennis Bland, SDSPLS, January 7, 1994

“Maximizing Profits and Ethics”, Ray Connin, SDSPLS, January 7, 1994

“Celestial Observations”, David Knowles, Elgin, Knowles & Senne, Inc. January 6, 1994

“Corner Evidence Analysis”, Dennis Moulard, Cadastral Consultants, Inc., January 8, 1993

“Ethics for the Surveyor”, Dennis Moulard, Cadastral Consultants, Inc., January 7, 1993

“Dependable Defensible Decisions – The Best Insurance Available”, John Stock, SDSPLS, January 10, 1992

“Finding the Land”, Ray Connin, SDSPLS, January 9, 1992

“Basic Geodesy for GPS Users”, Mike Londe, BLM, Northeast Wyoming Community College, December 4 – 5, 1992

Various Short Courses on groundwater, hydrology, waste management and related engineering topics – 1980-1990.

“Engineering Statistics”, Civil Engineering Department, Colorado State University, 1973

“Introduction to Geology”, Chadron State College, 1978

## **EDUCATION**

1968-1972 Bachelor of Science in Agricultural Engineering  
South Dakota State University, Brookings, SD

## **CERTIFICATIONS**

Certified Federal Surveyor - #1068  
Professional Land Surveyor – SD #2842  
Professional Land Surveyor – WY#2374  
Professional Engineer – SD # 2842  
Professional Engineer – WY # 2374  
Professional Engineer – NE # E-8283  
Certified Petroleum Release Remediator – SD # R0001  
Certified Concrete Control Technician - ACI

Resume of  
**John McBride**  
P.O. Box 95  
Edgemont, SD 57735  
(605) 662-6344

### **EMPLOYMENT HISTORY**

#### **1992-Present Andersen Engineers Inc., Edgemont, S.D.**

Registered Land Surveyor and vice president

Supervisor for survey crew responsible for all types of surveys including cadastral surveys for the Black Hills National Forest and Nebraska National Forest, private subdivisions, construction staking, mortgage surveys, etc. Extensive experience with PLSS, HES, and MS dependent resurveys, including corner search, evaluation of conflicting evidence, and bona fide rights.

#### **1991 Bryant Surveying, Custer, S.D.**

Surveyor

Part chief for survey crew performing cadastral surveys, maintaining property corners and posting boundaries in the Black Hills National Forest, under contract with the National Forest Service.

#### **1989-1990 South Dakota Disposal Systems, Inc. – a municipal solid waste disposal company**

1989 Project Engineer

Directed all the engineering work required for the construction of a large scale municipal solid waste bale fill. This involved establishment and adjustment of control networks, construction staking, volume assessments and as-built surveys. Other responsibilities were construction inspections and assisting in the ground water evaluation program. All of these duties are done both in a field and office capacity.

#### **1979-1989 Silver King Mines, Inc. – a mining and waste disposal company**

1988 Promoted to Construction Engineer

In charge of all of the surveying work for the construction of a low level nuclear disposal facility. These surveys included establishment and adjustment of control networks, construction staking, volume surveys and as-built surveys. I was responsible for both office and field work of these duties.

1985 Promoted to Construction Inspector

Responsible for all field testing and identifying of construction materials used during construction of a low level disposal facility. During this time I used a Troxler Nuclear Density Gauge and ASTM testing methods.

1979 Employed as Surveyor Technician

Work included establishment of approximately 85 miles of second-order control traverse to establish control network on 110,000 acres mineral property. Assisted in surveys centered on mineral exploration and a mine support operation.

### **CERTIFICATIONS**

2007 Registered Land Surveyor, Nebraska, #661

2000 South Dakota Certified Fire Fighter – Wildland I & II

1995 Registered Land Surveyor, South Dakota, #5906

1986 Troxler Laboratories, Nuclear Density Gauge Operator

### **PROFESSIONAL TRAINING**

“Taking the Terror Out of Testifying”, James Vukelic, SDSPLS, January 17, 2009

“SD Codified Law Workshop”, SDSPLS, January 16, 2009

“Bona Fide Rights – A Look Given Current Case Law”, John Farnsworth, BLM, SDSPLS, January 16, 2009

“Junior-Senior Corners, Overlaps & Hiatus”, John Farnsworth, BLM, SDSPLS, January 15, 2009

“GPS-Derived Heights, Bill Henning, NGS, SDSPLS, January 12, 2008

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“To Accept or Not to Accept”, Wendy Lathrop, SDSPLS, January 10, 2008

“Subdivision of Fractional Sections”, Ron Scherler, BLM, SDSPLS January 13, 2007

“Discrepancies in the Official Record”, Ron Scherler, BLM, SDSPLS, January 12, 2007

“GPS Derived Heights”, William Henning, NGS, SDSPLS, January 11, 2007

“Retracing Mineral Surveys”, John Stock, US Mineral Surveyor, SDSPLS, January 14, 2006

“Deed Research and Boundary Determination”, John Stock, US Mineral Surveyor, SDSPLS, January 12 – 13, 2006

“Review of SD Codified Laws Relating the Practice of Land Surveying in SD”, SDSPLS, January 15, 2005

“Ethics for Professional Surveyors”, Dennis Moulard, BLM, SDSPLS, January 14, 2005

“Lotted Sections Workshop”, Dennis Moulard, BLM, SDSPLS, January 13-14, 2005

“Tracking the Railroads”, Wendy Lathrop, Mercer County College, SDSPLS, January 10, 2004

“Floodplain Development – A Technical Guide”, Wendy Lathrop, Mercer County College, SDSPLS, January 9, 2004

“FEMA Floodplain Mapping Issues”, Wendy Lathrop, Mercer County College, SDSPLS, January 9, 2004

“Riparian Boundaries” Frank A. Hart, BLM, SDSPLS, January 9 – 11, 2003

“Successful Construction Staking”, Ballew Consulting Services, SDSPLS, January 10, 2003

“National Spatial Reference System”, David Doyle, NGS, SDSPLS, January 12, 2002

“Surveyor’s Recognition of Rights in Real Property”, Jerry Broadus, SDSPLS, January 11, 2002

“Contracts and Professional Liability, Tom Johnson, SDSPLS, January 10, 2002

“Those Odd-Ball rules I wish I had known before I encountered them in the field”. .Skip Robinson, PLSW, December 6, 2001

“Why does the manual say that”? Marlin Livermore, PLSW, December 7, 2001

“Monuments and Lines of Possession”, Knud Hermansen, PLSW, November 12, 1999

“Contracts and Negotiable Instruments”, Knud Hermanson, SDSPLS, January 9, 1999

“Standards in Practice”, Knud Hermansen, SDSPLS, January 8, 1999

“Records Research and Liability”, Knud Hermansen, SDSPLS, January 7, 1999

“History of the Public Lands Survey System”, Dennis D. Shreves, SDSPLS, January 8 - 9, 1998

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“Resolving Conflict of Evidence”, Walter G. Robillard, SDSPLS, January 4, 1996