



CHERYL KANDARAS CHAPMAN, P.E.
Rapid City, SD

EDUCATION

B.S., 1978, Mathematics, SD School of Mines and Technology
B.S., 1978, Civil Engineering, SD School of Mines and Technology
2003- Doctorate in Biological Sciences, South Dakota State University.
Expected completion 2007

REGISTRATIONS

Professional Engineer, South Dakota registration, 1983

ASSOCIATIONS

Society of American Military Engineers
National Society of Professional Engineers
National Association of Environmental Professionals
South Dakota Association of Environmental Professionals
Society of Technical Communication
South Dakota Advocacy Network for Women
American Association of University Women

BOARDS

Member, South Dakota School of Mines Academic Advisory Board
Vice Chair, Western Dakota Technical Institute Foundation
Secretary/Treasurer, South Dakota Rural Enterprise
Board Member, Dakotas America
Vice President, Black Hills Council of the Girl Scouts
Chair, Calvary Lutheran Church Endowment Fund

AWARDS

Young Engineer of the Year, National Society of Professional Engineers,
Black Hills Chapter, 1983-1984
National Women's Conference Commission, Torch Bearer Award, 1991
Distinguished Public Service Award, Department of the Navy, 1997
Women of Distinction Award, Girl Scouts of the Black Hills, 2000
Gamma Sigma Delta, 2005
Phi Upsilon Omicron, 2005

CAREER SUMMARY

Cheryl Chapman has over 27 years in the environmental field, holding top management and leadership positions in both the private and government sectors. Ms. Chapman's experience as an engineer, corporate director, elected official and public administrator brings together diverse capabilities and perspectives, which are essential in controversial environmental projects within communities. Additionally, her project management experience keeps complex technical projects *on track and on budget* from beginning to end, through careful monitoring and attention to issues.

With Native American Environmental, LLC, Ms. Chapman provides overall operational coordination for the two divisions of NAE. She serves as project manager for complex environmental clean-up projects, including unexploded ordnance detection and removal, and for the development of environmental planning documents, coordinating multiple disciplines to provide requisite technical data for environmental assessments.

As President of MATRIX, Ms. Chapman provided corporate leadership in community relations, including assessment, design, quality assurance, and resource management. Ms. Chapman developed innovative approaches to scoping and the development of environmental documents, such as environmental assessments. Ms. Chapman integrated her graduate research into this work. Her dissertation is "Using Geographic Information Systems (GIS) as a Decision-making Tool in the National Environmental Policy Act (NEPA)."

As Principal Deputy Assistant Secretary of the Navy for Installations and Environmental, Ms. Chapman was instrumental in developing environmental and land use policies for housing, base closure and economic redevelopment. She assumed a leadership role in positively integrating environmental planning as a key element of force structure, infrastructure and personnel decision making, working closely with other Federal agencies and states.

As Director of Environmental Engineering for a major architectural/engineering firm, Ms. Chapman was responsible for administrative management and total coordination and planning of environmental engineering projects involving permitting, feasibility studies, air and water quality assessments and environmental reviews.

As a former Pennington County Commissioner and former Chair of the Commission, Ms. Chapman provided leadership on many local government policy and management initiatives, including the creation of the Pennington County Drainage Commission, of which she served as the first Chair.

WORK EXPERIENCE

1999-Present. President and Principal Consultant, MATRIX Consulting Group, Inc., Rapid City, SD. Ms. Chapman was a founding principal, President and sole owner of Matrix. Her years of experience as an engineer, elected official and public administrator brought unique skills in managing and facilitating complex public projects. Specific MATRIX project experience includes:

- *City of Box Elder, SD—Environmental Assessment (EA) for Water and Sewer Line Improvements*—Ms. Chapman coordinated the technical elements of an EA, in which the Environmental Protection Agency was the lead agency. Her work included analysis of the capacity, affected environment and impacts of the proposed project on the existing water and

wastewater systems.

- *Oglala Sioux Tribe, Pine Ridge Indian Reservation, SD – East Side Casino Environmental Assessment* – Ms. Chapman is coordinating all the technical elements required in the development of the EA for the new casino on the Pine Ridge Indian Reservation. She is working with the Tribe in a community relations process to incorporate scoping comments.
- *City of Hill City, SD – NEPA Scoping/Environmental Assessment for Wastewater Facilities* – Ms. Chapman managed a multiple state and federal agencies NEPA scoping process. She assisted the community in working through complex issues to find a proposed project that satisfied the regulatory demands of the Clean Water Act, while meeting the approval of the citizenry. She completed her work with the City with the final EA.
- *HDR, – USACE (Omaha) Programmatic Environmental Impact Statement – Section 33 Bank Stabilization* - Ms. Chapman assisted the prime consultant in the development and implementation of a comprehensive Tribal consultation plan acceptable to all stakeholders, which includes all Tribes located within the Missouri River Basin. Consultation was initiated with meetings with the Fort Peck Assiniboine and Sioux Tribe, Montana and the Three Affiliated Tribes, North Dakota.
- *HDR – Upper Big Sioux Flood Control Project, Watertown, SD*– Ms. Chapman provided a comprehensive community and tribal consultation plan, including clear educational materials to the public about the project. Ms. Chapman initiated the consultation process with government-to-government meetings between the Mayor of Watertown and the Chairman of the Sisseton-Wahpeton Sioux Tribe.
- *Cheyenne River Sioux Tribe, Former Armstrong County Gunnery Range, Strategic Project Implementation Plan, Eagle Butte, SD* – as project manager, Ms. Chapman is responsible for the overall program development, including the development and acceptance of a habitat restoration plan and the funding sources to support the construction.
- *USACE, Omaha, NE, Black Hills Army Depot, Restoration Advisory Board, Edgemont, SD* – Ms. Chapman served as the project manager and facilitator. She coordinated the necessary technical communication and process improvement for the community relations support for this project.

1997-Present. Member, The SPECTRUM Group, Alexandria, VA. Ms. Chapman manages projects, providing an effective liaison between clients in the private sector and the government. Projects include work with the Ballistic Missile Defense Organization, Huntsville Space and Missile Command, the Department of Education, the National Aeronautic and Space Administration and other federal and state agencies on behalf of her clients.

- *State of California – Strategic Encroachment Study* – the State of California asked Spectrum to facilitate a dialog between military bases and communities to better understand and manage encroachment. Spectrum provided military expertise on the projected growth requirements to perform missions at these bases. Ms. Chapman led the technical team for analyzing encroachment drivers, such as urban growth, noise, and endangered species.

- *Montana Army National Guard.* – the Bureau of Land Management has requested the Guard to withdraw leased land currently used as a training range. In an effort to consolidate multiple actions and events surrounding the proposed withdrawal of the range, Ms. Chapman developed a white paper on recommended future actions.
- *Port of Long Beach* – after the closure of the Navy base at Long Beach, the Port wished to construct a rail line through the remaining Navy fuel depot and replace the Navy fuel tanks on new property to be leased to the Navy. Working together Ms. Chapman and colleague Ms. Joan Bondareff worked with Naval Facilities Engineering Command and the Secretary of Navy's office to accomplish this transfer administratively.
- *Student Loan Finance Corporation* – The South Dakota Corporation Student Loan Finance Corporation sought assistance on a number of regulatory and legislative issues governing the student loan industry. Ms. Chapman monitored and reported to the SLFC on Higher Education Reauthorization, pension reform legislation and other key legislative and policy trends, assisting in long-term strategic planning.

1994-1997. Principal Deputy Assistant Secretary of the Navy for Installations and Environment, Washington, DC. Appointed by the U.S. President, Ms. Chapman directed the day-to-day work of the department of the Navy in all areas of installations, family housing, bachelor quarters, base closure and economic redevelopment and environmental protection through various clean-up, compliance and pollution prevention programs. Her duties included working on programming and budgeting, as well as providing Congressional testimony. During her tenure, the Navy integrated environmental planning as a key element of force structure, infrastructure and personnel decision making. Some key projects included:

- Congressional Approval for Uniform National Discharge Standards for Navy Ships
- NEPA Integration and Implementation and multiple Environmental Impact Statements
- Approval of the Naples Improvement Initiative, serving as the Navy/DoD single point of contact with the Chairman of the Military Construction Subcommittee of House Appropriations Committee
- Navy Infrastructure Strategy, creating a process to integrate changes in geographical-political threats, reductions in force structure, reassessment of service roles and the condition of the existing infrastructure
- Oversight for the protection and recovery programs for federally listed endangered species on Naval property
- Adoption of sustainable development design practices for Navy/Marine Corps construction
- Implementation of Housing Public/Private Ventures
- Liaison with Congress, other Federal Agencies, States, Local Governments, and Local Communities
- Guidance in formal partnerships with EPA Regions IX and X and the states of California, Washington, Alaska, Arizona and Nevada to jointly plan and oversee cleanups at Navy and Marine Installations in those regions. This program was heralded as a model of federal/state cooperation.

1992-1994. Partner and Director, TSP Three, Inc. and TSP Group, Inc., Rapid City, SD. As corporate environmental program manager for all the major environmental engineering projects,

she directed the development and acquisition of permits, feasibility and management studies, air and water quality assessments, and provided on-going environmental reviews and the development of solid waste management and recycling plans. Project actions included:

- Permitted asphalt and ready-mix plants in Sioux Falls, SD. Work included the design of stormwater and wastewater systems, as well as a recycling of water as requirements in a groundwater protection overlay district
- Prepared the county's Integrated Solid Waste Plan, Gillette, WY
- Permitted the new 250,000 tpy sand pit in Minnehaha County, SD. Developed permit application, worked with community to propose acceptable transportation routes. Presented information at numerous community and county commission meetings
- Managed the successful passage of legislation in the South Dakota Legislature in support of a major project

1986-1994. Pennington County Commissioner, Rapid City, SD. Ms Chapman was elected by the county as a whole and served on the commission for two terms. She participated on several boards, including:

- First Chair, Pennington County Drainage Commission
- Planning Commission
- Indian/White Relations Committee
- Council on Aging
- Black Hills Council of Local Governments
- Transportation Executive Policy Committee
- South Dakota Association of County Commissioners (SDACC) Executive Board
- First Chair, South Dakota Health Benefits Trust Board
- SDACC Indigent Health Care Committee

1984-1992. President, Kandaras Barton Consulting Engineers, Inc. Rapid City, SD. Ms. Chapman provided environmental engineering for permitting and compliance for the mining, wood products, concrete products, jewelry and cement manufacturing industries.

- Resolved a stop-work order by EPA for a local particleboard plant; developed monitoring program for their wastewater discharge and provided diagnostic testing and analysis to solve an air emissions problem
- Volunteered facilitation of the start-up of the SD Solid Waste Management Association, including adoption of bylaws and articles of incorporation

1978-1984. Environmental Engineer, South Dakota Cement Plant, Rapid City, SD. Ms. Chapman initiated the plant's environmental program, permitting air and water discharges, and created the air quality compliance program for Rapid City's non-attainment area. She was project manager for siting, permitting, constructing and start-up of a new cement terminal in Denver, Colorado.