

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE



**2014 STORMWATER WORKSHOP**

MARCH 26 – 27, 2014  
RAMADA GRAND DAKOTA LODGE  
DICKINSON, NORTH DAKOTA

**Wednesday, March 26, 2014**

Credit Hours: 7.3

|              |  |  |
|--------------|--|--|
| 7:30-8:00    | Sign in/Registration   | Lobby  |
|              | <b>Joint Session</b>   |  |
|              | <u>Grand Dakota Ballroom</u>   |  |
| 8:00-8:15    | <b>Welcome/Opening Remarks</b>   |  |
| 8:15-9:15    | <b>Water Quality and Stormwater</b><br><i>Heather Husband</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i>  |  |
| 9:15-10:15   | <b>Things to Consider when Revegetating Disturbed Sites</b><br><i>Wayne Duckwitz</i><br><i>U.S. Department of Agriculture – Natural Resources Conservation Service</i>   |  |
| 10:15-10:35  | <b>Break with vendors on Mezzanine</b>   |  |
| 10:35-12:00p | <b>SWPPP – Site Plan &amp; Narrative Guidance</b><br><i>Alex Zimmerman – Creative Courses</i><br><i>Cindy Robb – Wenck Associates Inc.</i><br><i>Matt Sperry – North Dakota Department of Transportation</i><br><i>Dallas Grossman – North Dakota Department of Health</i> |  |
| 12:00p-1:00p | <b>Lunch – Dakota Burger Bar</b>   |  |
|              | <b>Breakout sessions</b>   |  |
|              | <u>Session 1 – Freedom Hall</u>  | <u>Session 2 – Legends Ballroom</u>  |
| 1:00p-2:00p  | <b>North Dakota General Industrial and Mining Stormwater Permits</b><br><i>Luci Snowden</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i>  | <b>What Happens If You Forget All You've Learned Here?</b><br><i>Tami Norgard</i><br><i>Vogel Law Firm</i>                                       |
| 2:00p-3:00p  | <b>SPCC and Stormwater Compliance, Before and After the Spill</b><br><i>Josh Kadrmas</i><br><i>Houston Engineering</i>   | <b>Biotic Soil Amendments</b><br><i>Alex Zimmerman</i><br><i>Creative Courses</i>  |
| 3:00p-3:20p  | <b>Break with vendors on Mezzanine</b>   |  |
| 3:20p-4:20p  | <b>Stormwater Compliance at Landfills with Operator Perspective</b><br><i>Cindy Robb – Wenck Associates Inc.</i><br><i>Aaron Praus – City of Dickinson</i>   | <b>Construction Inspection Site Visit</b><br><i>Luci Snowden</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i> |
| 4:20p-5:00p  | <b>Waste Management</b><br><i>Diana Trussell</i><br><i>North Dakota Department of Health</i><br><i>Division of Waste Management</i>  | <b>Construction Inspection Site Visit</b><br><i>Luci Snowden</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i> |
| 5:00p        | <b>Adjourn</b>   |  |

**Thursday, March 27, 2014**

Credit Hours: 7.3

|               |  |  |
|---------------|--|--|
| 7:30a-8:00a   | Sign in/Registration   | Lobby  |
|               | <b>Breakout sessions</b>   |  |
|               | <u>Session 1 – Freedom Hall</u>  | <u>Session 2 – Legends Ballroom</u>  |
| 8:00a-8:15a   | <b>Welcome/Opening Remarks</b>   | <b>Welcome/Opening Remarks</b>   |
| 8:15a-9:15a   | <b>North Dakota General Construction Stormwater Permit</b><br><i>Patrick Schuett</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i> | <b>Water Treatment Products and Methods for Filtration, Management, and Discharge</b><br><i>George Hild</i><br><i>Hild &amp; Associates Inc.</i> |
| 9:15a-10:15a  | <b>Selection and Implementation of Post-Construction Water Quality Practices</b><br><i>Jeff Hruby</i><br><i>Advanced Engineering and Environmental Services Inc.</i> | <b>Case Study, Chemical Treatment for Turbidity Control in Alaska</b><br><i>Alex Zimmerman</i><br><i>Creative Courses</i>                        |
| 10:15a-10:35a | <b>Break with vendors on Mezzanine</b>   |  |
| 10:35a-11:35a | <b>Stabilization – How Thoughts are Changing</b><br><i>Dallas Grossman</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i>           | <b>Learn to Know, Understand, and Love Your BMPs</b><br><i>Stacy Aguirre</i><br><i>Continental Resources</i>                                     |
| 11:35a-12:00p | <b>North American Stormwater and Erosion Control Association</b><br><i>Colleen Peterson</i><br><i>City of Bismarck</i>   | <b>Mining with Erosion and Sediment Control Standards</b><br><i>Derrick Placek</i><br><i>BNI Coal</i>  |
| 12:00p-1:00p  | <b>Lunch – Dakota Burger Bar</b>   |  |
| 1:00p-2:00p   | <b>Joint Session</b><br><u>Grand Dakota Ballroom</u><br><b>Alternate Perimeter Controls</b><br><i>Alex Zimmerman</i><br><i>Creative Courses</i>                      |  |
| 2:00p-3:00p   | <b>Planning for Production, Profits, and Compliance, a Case Study in Design Build for Highway Construction</b><br><i>Alex Zimmerman</i><br><i>Creative Courses</i>   |  |
| 3:00p-3:20p   | <b>Break with vendors on Mezzanine</b>   |  |
| 3:20p-4:20p   | <b>Stormwater Permitting through the EPA in the State of North Dakota</b><br><i>Greg Davis</i><br><i>U.S. Environmental Protection Agency Region 8</i>               |  |
| 4:20p – 5:00p | <b>Changes and Enforcement News</b><br><i>Dallas Grossman</i><br><i>North Dakota Department of Health</i><br><i>Division of Water Quality</i>                        |  |
| 5:00p         | <b>Adjourn</b>   |  |

# Speaker Biographies

**Stacy Aguirre**  
**Continental Resources, Inc.**

Stacy Aguirre is the Continental Resources, Inc.'s (CLR) Northern Region Environmental Supervisor. Stacy has a diversity of experience in the energy industry, including process engineering, project management, and environmental permitting and compliance. In her current position, she leads a team of environmental professionals dealing with air, water, and materials management permitting and compliance activities for CLR well sites in North Dakota, South Dakota, Montana and Colorado.

**Greg Davis**  
**Regional Stormwater Program Coordinator**  
**U.S. Environmental Protection Agency Region 8**

Greg Davis is the Regional Stormwater Program Coordinator for EPA Region 8. He has been in this position since 2003, when the Phase 2 Stormwater Rule was promulgated. In this position, he has direct implementation authority for industrial, municipal, and construction stormwater permitting in Region 8 Indian country and for Federal facilities in Colorado. This also includes state oversight of stormwater programs in Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming. Greg holds a master's degree in environmental science from the University of Colorado at Denver and a bachelor's degree in biology from the University of Wisconsin-LaCrosse.

**Wayne Duckwitz**  
**U.S Department of Agriculture – Natural Resources Conservation Service**

Wayne Duckwitz grew up on a farm north of Mandan. He attended Bismarck Junior College transferring to North Dakota State University where he received his Bachelors of Science Degree in Animal and Range Sciences. Wayne has been employed with the Natural Resources Conservation Service for 25 years working in various Field Offices before accepting a position as the Manager of the NRCS Bismarck Plant Materials Center. Work at the Plant Materials Center involves evaluation and selection of improved plant materials for use in conservation practices in the Northern Great Plains and Upper Midwest. The center has over 40 commercially available plant releases of native and introduced grasses, forbs, trees and shrubs. The center also supports conservation efforts by performing plant technology studies that supports conservation practices.

**Dallas Grossman**  
**Environmental Engineer**  
**North Dakota Department of Health, Division of Water Quality**

Dallas has been with the North Dakota Department of Health, Division of Water Quality since 2004. He is part of the North Dakota Pollutant Discharge Elimination System Program and works mostly with the Stormwater Program. He is a graduate of North Dakota State University with a Bachelor of Science degree in Civil Engineering.

**George Hild**  
**Hild & Associates**

George has been active in the erosion and sediment control industry since 1981 providing products, solutions, and practical treatment design applications. George will present simple, proven, cost effective methods to ensure successful discharge results and compliance.

**Jeff Hruby**  
**Water Resources Group Manager**  
**Advanced Engineering and Environmental Services, Inc. (AE2S)**

Jeff Hruby is the Water Resources Group Manager with the regional consulting firm Advanced Engineering and Environmental Services, Inc. (AE2S) and is a licensed professional engineer in North Dakota and Wisconsin. Mr. Hruby's experience includes analysis, design, and project management on a wide variety of water resources projects. Jeff is a co-author or co-presenter on several water resource technical papers and presentations with topics including lake restoration, flooding, stormwater management, and water supply impact mitigation.

Mr. Hruby holds a Bachelor of Science degree in Geological Engineering from the University of North Dakota. He currently serves as Vice-President of the North Dakota chapter of the North American Stormwater and Erosion Control Association and is a member of the ND Water & Pollution Control Conference, the National Society for Professional Engineers, and the ND Section of the Water Environment Association.

**Heather Husband**  
**Environmental Scientist**  
**North Dakota Department of Health, Division of Water Quality**

Heather joined the North Dakota Department of Health in December of 2001. She is a regional liaison for the Surface Water Program for an area that covers the Upper Missouri, Souris (Mouse), and Sheyenne River basins. She provides support for the Division's TMDL, Section 319 NPS, Watershed Assessment, and Education and Outreach projects. Heather graduated with a Bachelors of Science degree from Montana State University and prior to joining the Health Department has worked for a wide variety of state, federal, tribal, and non-profit entities in the area of natural resource management.

**Josh Kadrmas**  
**Professional Engineer**  
**Houston Engineering Inc.**

Josh Kadrmas is a Professional Engineer at Houston Engineering, Inc. (HEI) in Fargo, ND. He has a diverse combination of engineering work experience, technical expertise, and scientific background and assists HEI's clients in achieving compliance with a wide range of environmental regulations such as SPCC plans, industrial stormwater, RCRA, wetland mitigation, and NEPA compliance. Josh is also experienced in conducting environmental contaminant investigations and feasibility studies to fit various remediation strategies to site-specific conditions and address a variety of hazardous substances and petroleum hydrocarbons. He is a registered Professional Engineer in North Dakota, Minnesota, and Missouri, and holds dual Bachelors of Science Degrees in Civil Engineering and Biological Sciences from NDSU.

***Tami Norgard***  
***Vogel Law Firm***

Tami concentrates her practice in the area of natural resources and civil litigation, including environmental issues, oil and gas, and water law litigation. Her experience includes numerous jury trials, court trials and appeals.

She joined the Vogel Firm in 1999 after practicing with the Gray Plant Mooty firm in Minneapolis and after working for the federal government in Washington, D.C. Tami graduated from the University of North Dakota summa cum laude with a B.A. in Political Science. She received her law degree cum laude and a Masters of Studies in Environmental Law and Policy magna cum laude in 1995 from Vermont Law School.

Tami has taught Environmental Law & Policy in a graduate program at NDSU and at UND Law School. She has taught Energy Law at Bismarck State University and Moot Court classes at the University of Minnesota Law School.

Tami supports the community by sitting on the United Blood Services Leadership Council and the Dakota Montessori School Board. She is also involved in the North Dakota Law Related Education Committee and the MSBA Environment and Natural Resources Section. Tami also volunteers as a photographer for Now I Lay Me Down To Sleep.

A native of Arnegard, North Dakota, Tami and her husband John Zasada live in Fargo with their three children.

***Colleen Peterson***  
***Stormwater Program Coordinator***  
***City of Bismarck***

Colleen Peterson is the Storm Water Program Coordinator for the City of Bismarck. She has been with the city for 10 years. She has a Bachelor of Science degree in Environmental Science from Bemidji State University, Bemidji, MN and a Masters in Business Administration from the University of Mary. Colleen was brought into the storm water program to aide in meeting the NDPDES permit requirements for an MS4 community. Prior to this work, she was an Environmental Specialist in the Environmental Health Division for the City of Bismarck.

***Derrick Placek***  
***Geologist***  
***BNI Coal***

Derrick is a geologist at BNI Coal located in Center, North Dakota. He received his degree in geology from Minot State University. After a couple of introductory career choices in the laboratory setting, both liquids and geotechnical he landed at the North Dakota Department of Health. He started his state government career in the Permit section (Stormwater) of the Department, after a brief stint there he transferred to the Ground Water Program. But the energy industry came calling and he decided to jump ship and set sail for the private sector. He manages the coal reserve along with all the water management at the mine, including surface and ground water. Derrick currently is a board member on the NASECA chapter in North Dakota. He is a veteran of the United States Marine Corps and he and his wife, along with 3 kids, 4th coming this summer preside in Bismarck.

**Aaron Praus**  
**Sanitation Department Manager**  
**City of Dickinson**

Aaron Praus is the manager for the City of Dickinson Sanitation Department in Dickinson, ND. He has been employed with the city for 15 years. He started as a part-time laborer and moved his way up to become the Sanitation Manager. Aaron over sees a department of 22 people, along with 4 branches of the Sanitation Department: Collection, Transfer/Baling Facility, Landfill, & Recycling. In his spare time, Aaron has a farming/ranching operation. His hobbies includes; hunting, four-wheeling, racing, and spending time with family and friends.

**Cynthia Robb, CHMM**  
**Wenck Associates Inc**

Ms. Robb has over 15 years of experience leading and developing environmental management and regulatory compliance programs. This experience includes work in several sectors and is multimedia based covering hazardous waste (RCRA), industrial wastewater/stormwater (NPDES), storage tanks and spills (SPCC, AST/UST), hazardous material and toxic release inventory reporting (SARA / EPCRA), and sustainability program development. Specific work includes development of corporate compliance programs, interaction and negotiation with regulatory agencies, completion of permit applications, prevention/response plan preparation, implementation of compliance requirements, multi-media compliance auditing, and conducting compliance program training.

**Patrick Schuett**  
**Environmental Scientist**  
**North Dakota Department of Health, Division of Water Quality**

Patrick joined the North Dakota Department of Health in August of 2013. He is part of the North Dakota Pollutant Discharge Elimination System Program, providing support in all aspects of the program. He has a Bachelor of Science in Aquatic Biology and a Master of Science in Environmental Ecology from Bemidji State University. Prior to joining the North Dakota Department of Health he worked in the private consulting sector managing a variety of environmental and natural resource projects.

**Luci Snowden**  
**Environmental Scientist**  
**North Dakota Department of Health, Division of Water Quality**

Luci joined the North Dakota Department of Health, Division of Water Quality staff in 2011. She is part of the North Dakota Pollutant Discharge Elimination System Program and works mostly with the Stormwater Program. Luci graduated with a Master of Science degree in Environmental Science and Water Resources from Indiana University School of Public and Environmental Affairs and from the University of Toledo with a Bachelor of Science degree in Environmental Science and Geology.

***Matt Sperry***  
***Environmental Scientist III,***  
***North Dakota Department of Transportation, Environmental & Transportation Services***  
***Division***

Matt is the Section Leader for the Environmental Review Section of the North Dakota Department of Transportation's Construction Services Division. The Environmental Review Section is responsible for developing storm water management procedures and training for the NDDOT. He has a Bachelor of Science degree in Aquatic Biology and a Master of Science degree in Biology from Bemidji State University, Bemidji, MN. Prior to coming to NDDOT in 2011, he spent 4½ years as an Environmental Specialist with the Missouri Department of Natural Resources conducting storm water inspections and writing storm water and wastewater permits.

***Diana Trussell***  
***Environmental Engineer***  
***North Dakota Department of Health, Division of Waste Management***

Employed since 2007 by the North Dakota Department of Health, Diana Trussell is an Environmental Engineer with the Division of Waste Management. She works extensively with solid waste permitting, compliance, education and planning issues, the promotion of waste reduction and recycling, and pollution prevention. She currently serves as the President of the North Dakota Solid Waste and Recycling Association and also serves on the Bismarck Earth Day Festival Planning Committee.

Ms. Trussell has a Bachelor of Science Degree in Civil and Environmental Engineering with an emphasis in Environmental Engineering from the University of Wisconsin-Madison. Ms. Trussell was previously employed by Wenck Associates and worked on a variety of landfill construction inspection projects in Minnesota.

***Alex Zimmerman***  
***CPESC, CISEC, SESSWI, AK-BC-WA-CESCL***  
***Creative Courses***

Alex Zimmerman brings over 20 years of large scale construction experience to Erosion and Sediment Control training. From large disturbance, linear, and single family construction to restoration and emergency landslide repair, his experiences add to informative trainings on real world issues for construction site operators, inspectors, and designers.

Alex has been helping project teams succeed by planning for the productive and compliant completion of varied construction tasks.

Alex has been recognized by various associations and agencies for his professional course preparation and delivery. Developing custom trainings for audiences as varied as Alaska Army Corps of Engineers, Alaska Department of Transportation, Building Industry Association of Washington, Alaska Department of Environmental Conservation and cities in British Columbia, Alex stays up to date and informed on the latest regulations and compliance challenges. He was the recipient of the Educational Achievement award by the International Erosion Control Association. Course participants learn how to control costs, prevent erosion, protect water quality, and comply with permit requirements in a positive, proactive, profitable manner.

## **Vendors**

**Rocky Waldin**  
**Construction Specialties**  
**Chanhasen, MN (612)860-0803**

Rocky Waldin, owner of Construction Specialties, has been a Manufacturers' Representative for more than 15 years. He promotes stormwater management solutions including the CABLE CONCRETE erosion control system, TERREWALKS 100% recycled plastic pavers, and Cretex Specialty Products manhole and pipe sealing products throughout the Midwest.

**Brock White Company LLC**  
**St. Paul, MN**

Brock White Company LLC headquartered in St. Paul, MN, a leading distributor of construction materials, was incorporated in 1954 to provide specialty products to concrete and masonry construction markets in the upper Midwest United States. These products include hand tools, specialty chemicals, waterproofing materials, caulking, insulation, geotextile fabrics, erosion control, highway sealants, concrete, and masonry accessories, concrete repair and restoration materials and coatings, and landscaping accessories, as well as fireplaces and masonry products such as brick, natural stone and Cultured Stone through select locations.

Brock White has 14 locations throughout the Upper Midwest United States with its Central Office and Warehouse at 2575 Kasota Avenue, St. Paul, MN 55108 with the other locations being St. Cloud, Rochester, Elk River, Duluth and Eagan, and Brainerd, MN, Bismarck, Minot & Fargo, ND, Sioux Falls, SD; and BW Supply Locations in Appleton, Wausau and Green Bay, WI.

Brock White Canada Company LLC is a Canadian subsidiary of Brock White Company LLC and includes 15 locations in Canada: Winnipeg, Manitoba; Regina and Saskatoon, Saskatchewan; Thunder Bay, Ontario; Edmonton (2), Calgary and Lloydminster, Alberta; Prince George, Burnaby, Surrey, Victoria, Kamloops, Kelowna and Langley, British Columbia. Brock White Canada distributes similar product lines as does the United States offices as well as being distributors of commercial roofing systems, insulation and pipe and mechanical insulation products.

**Ferguson Waterworks**  
**Bismarck, ND (701)258-9700**

Ferguson Waterworks is a national distributor of geosynthetic & erosion control products. We carry a complete line of geotextiles, geogrids, geomembranes, geofoam, erosion blankets, turf reinforcement mats, silt fences, and soil stabilizers. Locally we cover the Minnesota, North Dakota, South Dakota, and Wisconsin, territories. From hydrants, pipe, valves, and fittings, to soil reinforcement, drainage, and storm water applications, we can service a wide variety of construction projects.

**George Hild**  
**Hild & Associates**  
**Stillwater, MN (715)426-5131**

The Biostar Group manufactures a line of chitosan based natural flocculant materials for a wide range of water treatment applications. Hild & Associates is based in Stillwater, MN and Hudson, WI with product distribution throughout the US and Canada.

**Ramy Turf Products**  
**Mankato, MN (507)387-4091**  
**St. Paul, MN (651)917-0939**

Ramy Turf Products is a third generation family business whose roots date back to 1932. Founded as a farm seed company by Roy Ramy, Ramy Turf Products has evolved as environmental protection legislation has tightened. The company is now heavily focused on erosion/sediment control and revegetation of disturbed sites for all types of construction projects.

**Our Products:**

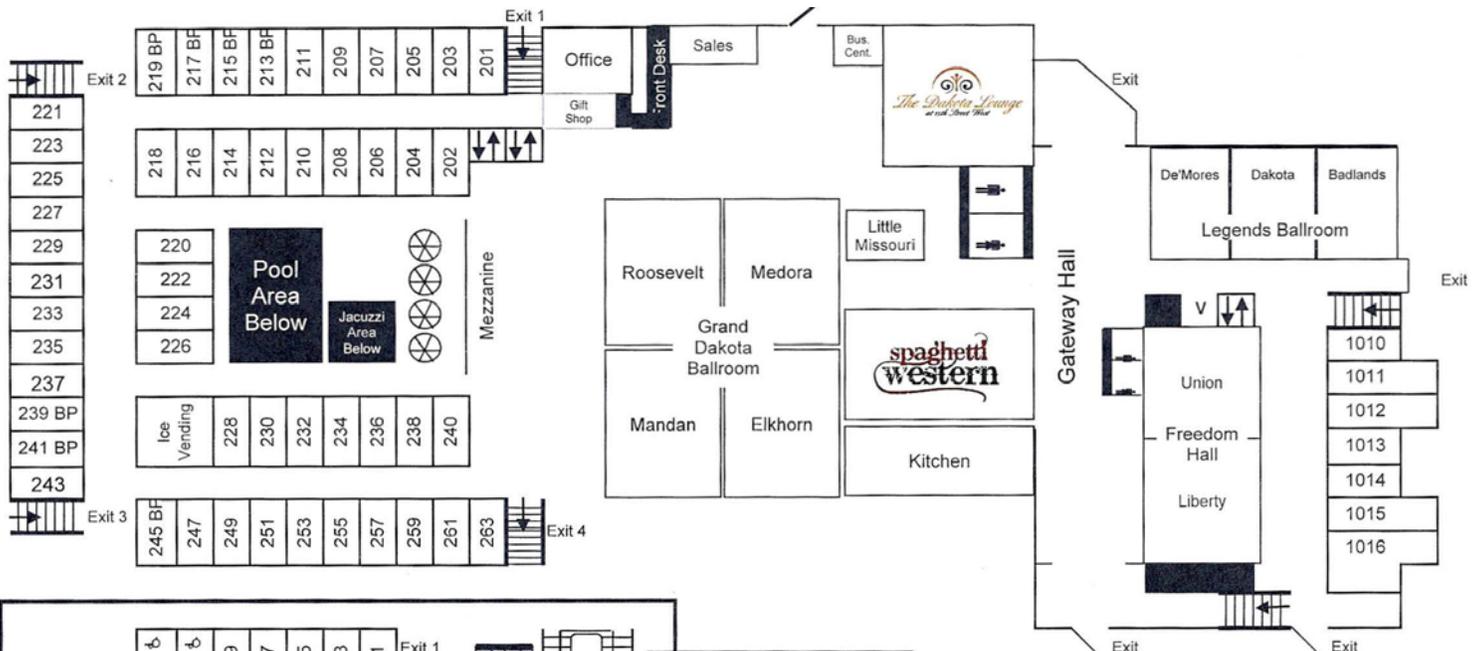
- Seed mixtures specified by DOT, DNR, BLM and other governmental agencies.
- House seed mixtures and custom materials for commercial, private construction and land development.
- Hydraulic Mulch supplies for hydro-seed applications.
- Rolled Erosion Control Blankets and Turf Reinforcement Mats.
- Silt Fence, Straw Wattles and Compost Filter Logs.
- Inlet Protection, Dewatering Supplies, Safety Fence.

**Market Sectors Served:**

- Governmental infrastructure improvements
- Mining and Energy projects
- Residential land development and home building
- Commercial and private land development

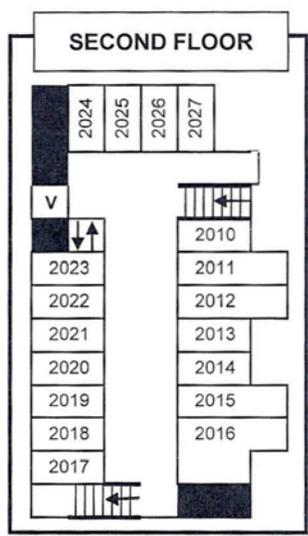
**Our Mission:**

To provide the highest quality seed and erosion control products to our customer at the best value price. In a rapidly evolving market, our staff and industry partners will consult, problem solve, educate and ultimately deliver the solutions that insure our customers success.

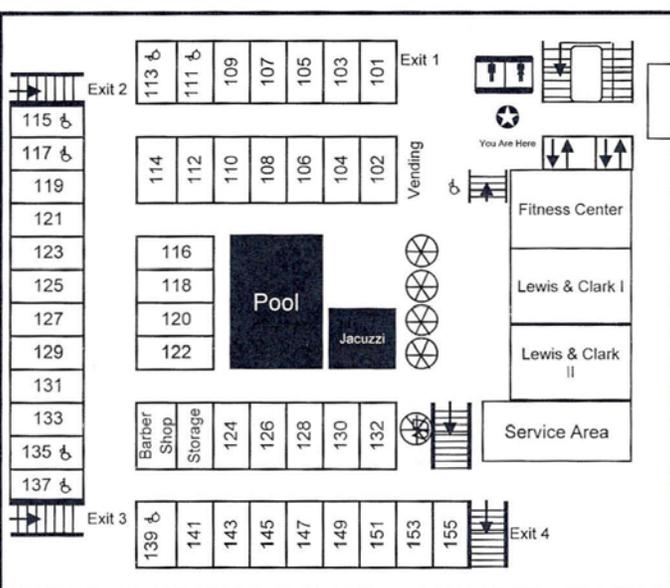


FIRST FLOOR  
MAIN BUILDING

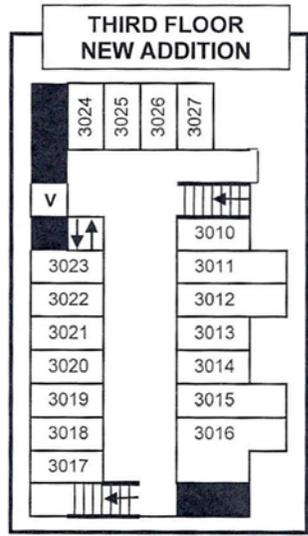
# THE Grand Dakota LODGE & CONFERENCE CENTER



SECOND FLOOR



THIRD FLOOR  
MAIN BUILDING



THIRD FLOOR  
NEW ADDITION



V denotes Vending Area