

Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING

Matthew Training Center, Foss Building  
Pierre, South Dakota  
April 21, 2015

**CALL TO ORDER:** The meeting was called to order by Chairman Jay Gilbertson, East Dakota Water Development District. See attached “sign-in-sheet” for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Gilbertson asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Motion was made Lowell Mesman, SD Farm Bureau to approve the agenda. Second by Todd Kays, Planning Districts. Motion carried.

**APPROVAL OF MINUTES:** Motion by Judge Jessop, SD Grasslands Coalition to approve the minutes of December 3, 2014 meeting. Second by Todd Kays Planning Districts. Motion carried.

**REVIEW OF STATE 319 NPS MANAGEMENT PLAN REVISION:** Pete Jahraus gave an overview of the State 319 NPS Management Plan Revision. Handout was provided. Discussion followed.

**EPA REGION 8 AGRICULTURAL LIASON:** Rebecca Perrin gave a presentation on EPA’s new vision. Ms. Perrin’s presentation is available on the digitally recorded minutes on the DENR website at: <http://denr.sd.gov/boards/schedule.aspx>.

**RIVER BASIN NATURAL RESOURCE DISTRICTS:** Jay Gilbertson handed out a list of talking points for the River basin natural resource districts (RBNRD). Discussion followed.

**DES MOINES WATER WORKS LAW SUIT:** Jay Gilbertson informed the task force of the Des Moines, Iowa Water Works Law Suit. Discussion followed.

**DATE FOR NEXT MEETING:** The next meeting will be December 8, 2015.

Meeting adjourned.

The meeting was digitally recorded and is available on the DENR website at:  
<http://denr.sd.gov/boards/schedule.aspx>.

Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING

Matthew Training Center, Foss Building  
Pierre, South Dakota  
December 9, 2014

**CALL TO ORDER:** The meeting was called to order by Chairman Jay Gilbertson, East Dakota Water Development District. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Gilbertson asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Motion was made Joyce Williamson, US Geological Survey, to approve the agenda. Second by Dana Loseke, SD Chapter of the Sierra Club. Motion carried.

**APPROVAL OF MINUTES:** Motion by Paul Lepisto, Izaak Walton League, to approve the minutes of December 3, 2014 meeting. Second by Dana Loseke, SD Chapter of the Sierra Club. Motion carried.

**REVIEW OF AVAILABLE FUNDS:** Pete Jahraus gave an overview of available funds. Handout was provided. Discussion followed.

**319 GRANT APPLICATION PRESENTATIONS:** 319 Grant application presentations were given by:

**FFY 2015  
319 PROJECT APPLICATION SUMMARIES**

**Tim Reich: Belle Fourche River Watershed Implementation Project - Segment 7**

**Total Cost: \$3,787,900  
\$1,135,000**

**319 Grant Request:**

The Belle Fourche River Watershed Partnership is the project sponsor for this two-year project. This is the seventh segment of seven planned project segments that address a cluster of seven total maximum daily loads. Completion of the activities planned for this segment will begin implementing best management practices that reduce *E. coli* and advance the best management practices implementation for total suspended solid pollutants to 73 percent complete. These best management practices include: (1) installing irrigation sprinkler systems, (2) implementing grazing management systems, (3) installing riparian vegetation improvements, (4) clean water diversion, and (5) relocating livestock feeding grounds.

### **Barry Berg: Central Big Sioux River Watershed Implementation Project - Segment 3**

**Total Cost: \$9,160,400  
\$600,000**

**319 Grant Request:**

The Big Sioux River Watershed Project is a 10-year total maximum daily load implementation strategy that will be completed in multiple segments and parts. The project will restore and/or maintain the water quality of the Big Sioux River and its tributaries to meet the designated beneficial uses. The Lower Big Sioux River, Central Big Sioux River and the North-Central Big Sioux River/Oakwood Lakes Watershed Assessments identified various segments of the Big Sioux River and certain tributaries between the Brookings/Hamlin County line and Sioux City, Iowa as failing to meet designated uses due to impairments from total suspended solids, dissolved oxygen and/or bacteria. The current project (Segment 3) is focused on further reducing loadings from animal feeding operations, overland sediment transport and expand ongoing past project activities (Segment 1 and Segment 2). It also extends water quality monitoring through 2018.

### **Judge Jessop, Jim Faulstich: Grassland Management & Planning Segment 4 – Amendment**

**Total Cost: \$953,5077  
\$462,077**

**319 Grant Request:**

The project is a two year continuation of the current statewide Grassland Management and Planning project. This project segment will continue the South Dakota Grassland Coalition's (SDGLC) leadership in providing South Dakota livestock producers with practices that reduce nonpoint source (NPS) pollution from grasslands and promote sustainable agricultural.

### **Rocky Knippling, Lisa Bairey: Lewis & Clark Watershed Implementation Project - Segment 4 Amendment**

**Total Cost: \$4,336,750  
\$400,000**

**319 Grant Request:**

This proposal is the fourth segment of a locally-planned multi-year (10-15 year) effort to implement best management practices in the Lewis and Clark Lake watershed, Lake Andes, Geddes, Academy and Platte Lake watersheds. This effort is aimed at restoring water quality to meet designated beneficial uses and address total maximum daily loads established, and to be established, for waterbodies in these watersheds.

### **SDSM&T Bacteria Project**

**Total Cost: \$261,414**

**319 Grant Request: \$156,849**

This project will help guide future best management practices, establish a temporal baseline of pathogenic potential of the bacterial profiles of Rapid Creek and Spring Creek and link these estimates with total suspended solids. Although fecal coliforms and *E. coli* are commonly quantified in the monitoring of water systems by local, state and federal agencies, the level of pathogenicity is often overlooked. The project will work to create a new monitoring metric for pathogenic potential of the contaminated water by screening the bacteria for harmful traits that can be passed even among harmless bacteria, creating the possibility for severe public health risks.

**Brittney Molitor: Spring Creek Watershed Implementation Project - Segment 3**

**Total Cost: \$397,000**

**319 Grant Request: \$215,000**

Pennington County is the project sponsor for this two-year project. This is the third of six planned segments. This project will continue implementation of the best management practices identified in the total maximum daily load reports for the Spring Creek Watershed, the Stormwater Management Plan and On-site Wastewater Management Plan. Completion of the activities planned for this segment will advance the BMP implementation for fecal coliform bacteria, *E. coli*, and total suspended solids. These best management practices include management of riparian zones, stormwater, forestry, grazing, lake improvement, and on-site wastewater treatment systems.

**EPA 303(d) NEW VISION:** Rich Hanson, DENR gave a presentation on EPA’s new vision.

**BIG SIOUX RIVER CASE STUDY:** David Hertle gave a presentation on the Big Sioux River Case Study.

**NATIONAL RIVERS AND STREAMS ASSESSMENT:** Jesse Wilkens and Alan Wittmuss gave a presentation.

**RECOMMENDATIONS FOR FUNDING:** Barry McLaury presented the DENR staff recommendations for funding.

FFY 2015 319 NONPOINT SOURCE PROGRAM						
FUNDING RECOMMENDATIONS						
<u>FFY 2015 FUNDING</u>						
NPS Program Funds	\$1,243,500					
Watershed Project Funds	\$1,243,500					
	\$2,487,000					
DENR Staff & Support	(\$600,000)					
Total 319 Available for Projects	\$1,887,000					
CWSRF Water Quality Grants	\$400,000					
Total Available for Pass Through	\$2,287,000					
		Recommendations				
	Requested	DENR			NPS Task Force	BWNR
		319	WQ Grants	Total		
<u>IMPLEMENTATION PROJECTS</u>						
Belle Fourche River Watershed Segment 7	\$1,135,000	\$793,000	\$0	\$793,000	\$793,000	
Big Sioux River Implementation Project Segment 3	\$600,000	\$500,000	\$100,000	\$600,000	\$600,000	
Grasslands Mgmt & Planning Segment 4 (Amendment)	\$462,077	\$179,000	\$100,000	\$279,000	\$279,000	
Lewis & Clark Project Segment 4 (Amendment)	\$400,000	\$300,000	\$100,000	\$400,000	\$400,000	
SDSM&T Bacteria Project	\$156,849	\$0	\$0	\$0	\$0	
Spring Creek Watershed Project Segment 3	\$215,000	\$115,000	\$100,000	\$215,000	\$215,000	
Total Implementation	\$2,968,926	\$1,887,000	\$400,000	\$2,287,000	\$2,287,000	
BALANCE	319 Funds	(\$1,081,926)				
	319 plus CWSRF WQ	(\$681,926)				

**Belle Fourche River Watershed Implementation Project - Segment 7**

**Total Cost: \$3,787,900**

**319 Grant Request: \$1,135,000**

**DENR Recommendation: \$793,000 319 funds.**

*Reduction based on limited 319 funds available. To date, over \$5.8 million of 319 and state grant funds have been provided for this project. DENR recommends the Belle Fourche River Watershed Partnership consider a reduction in program management and water quality monitoring to help make up the shortfall in funding.*

**Big Sioux River Watershed Implementation Project - Segment 3**

**Total Cost: \$9,160,400**

**319 Grant Request: \$600,000**

**DENR Recommendation: \$600,000 as requested (\$500,000 319 and \$100,000 WQ Grant).**

**Grassland Management & Planning Segment 4 – Amendment**

**Total Cost: \$953,507**

**319 Grant Request: \$462,077**

**DENR Recommendation: \$279,000 (\$179,000 319 and \$100,000 WQ grant)**

*Reduction based on no funding for Grassland Mapping and Watershed modeling projects which is a SDSU and The Nature Conservancy effort to quantify the benefits of natural sod.*

**Lewis & Clark Watershed Implementation Project - Segment 4 Amendment**

**Total Cost: \$4,336,750**

**319 Grant Request: \$400,000**

**DENR Recommendation: \$400,000 as requested (\$300,000 319 and \$100,000 WQ grant).**

**SDSM&T Bacteria Project**

**Total Cost: \$261,414**

**319 Grant Request: \$156,849**

**DENR Recommendation: No funding.**

*No funding based on the South Dakota Surface Water Quality Standards not distinguishing between E. coli gene types. It would appear this research may be appropriate for another funding source, but it does not provide water quality benefits to justify consideration of 319 funding.*

## **Spring Creek Watershed Implementation Project - Segment 3**

**Total Cost: \$397,000**

**319 Grant Request: \$215,000**

**DENR Recommendation: \$215,000 as requested (\$115,000 319 and \$100,000 WQ grant).**

**TASK FORCE DETERMINATIONS:** Motion made by Angela Ehlers, SDACD to accept the DENR staff recommendations and to submit the recommendations to the Board of Water & Natural Resources. Second by Todd Kays. Motion carried

**RESOLUTION FOR GRASSLAND FUNDING:** was made by Dr. David Clay, encouraging the Department of Environment and Natural Resources to have open dialog with the Grassland Coalition for some combination of funding for Grassland Mapping and Watershed modeling projects.

**SD NPS PROGRAM MANAGEMENT PLAN UPDATE:** Pete Jahraus updated the board on the progress of the SD NPS Program Management Plan.

**DATE FOR NEXT MEETING:** The next meeting will be announced later.

Meeting adjourned.

The meeting was digitally recorded and is available on the DENR website at:  
<http://denr.sd.gov/boards/schedule.aspx>.

Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING

Matthew Training Center, Foss Building  
Pierre, South Dakota  
December 3, 2013

**CALL TO ORDER:** The meeting was called to order by Acting Chairman Jay Gilbertson, East Dakota Water Development District. See attached “sign-in-sheet” for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Acting Chairman Gilbertson asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Motion was made by Mike Traxinge, SD Farmers Union, to approve the agenda. Second by Paul Lepisto, Izaak Walton League. Motion carried.

**APPROVAL OF MINUTES:** Motion by Todd Kays, Planning Districts, to approve the minutes of April 8, 2013, meeting; second by Paul Lepisto, Izaak Walton League. Motion carried.

**REVIEW OF AVAILABLE FUNDS:** Pete Jahraus gave an overview of available funds. Handout was provided. Discussion followed.

**319 GRANT APPLICATION PRESENTATIONS:** 319 Grant application presentations were given by:

**FFY 2014  
319 PROJECT APPLICATION SUMMARIES**

**Tim Reich, Belle Fourche River Watershed Management and Project Implementation Plan - Segment 6 (Amendment)**

**Total Cost: \$5,232,900**

**319 Grant Request: \$500,000**

**Project Description:** The Belle Fourche River Watershed Partnership is the project sponsor for this 2-year project. This is the sixth segment of seven planned project segments that address a cluster of seven TMDLs. Completion of the activities planned for this segment will begin implementing BMPs that reduce *E. coli* and advance the BMP implementation for TSS pollutants to 65 percent complete. These BMPs include: (1) installing irrigation control units, (2) irrigation canal modeling, (3) lining irrigation canals, (4) replacing irrigation ditches with pipelines, (5) installing irrigation sprinkler systems, (6) implementing grazing management systems, (7) installing riparian vegetation improvements, (8) clean water diversion, (9) relocating livestock feeding grounds, and (10) developing alternatives for storm water management.

## **Guangui Hua, Evaluating the Effectiveness of Polyacrylamide Flocculation to Reduce Suspended Solids, Bacteria, and Nutrients in Agricultural Runoff**

**Total Cost: \$151,394**

**319 Grant Request: \$89,746**

**Project Description:** South Dakota State University is the project sponsor. The proposed project will assess factors affecting PAM flocculation of a variety of agricultural soils in South Dakota. Based on the results of this project, we will identify the optimum PAM application conditions that will effectively control soil erosion and reduce TSS, bacteria, and nutrient loadings to surface water resources. The results of this project will help policy makers and producers make informed decisions regarding the use of PAM for agricultural runoff water quality control in South Dakota.

## **Rocky Knippling, Lewis and Clark Watershed Implementation Project Segment 4**

**Total Cost: \$4,339,000**

**319 Grant Request: \$1,400,000**

**Project Description:** The Randall Resource Conservation & Development Council is the project sponsor. This proposal is the fourth segment of a locally planned multi-year (10-15 year) effort to implement best management practices (BMPs) in the Lewis and Clark Lake watershed, Lake Andes, Geddes, Academy and Platte Lake Watersheds. The BMPs will target sources of sediment, nutrients, and fecal coliform bacteria. This effort is aimed at restoring water quality to meet designated beneficial uses and address TMDLs established, and to be established, for water bodies in these watersheds.

## **Anne Lewis, Nonpoint Source Information & Education Project - Segment 4**

**Total Cost: \$647,675**

**319 Grant Request: \$370,500**

**Project Description:** The South Dakota Discovery Center is the project sponsor. The goal of the South Dakota Non-Point Source Information and Education project is to promote and facilitate public understanding of watersheds and related management issues through the continued implementation of the comprehensive, coordinated statewide effort begun in 2004. Segment 4 is designed to continue providing South Dakota's citizen's information and education opportunities about nonpoint source pollution to in order to gain their support for and participation in non-point source pollution prevention and reduction practices. To achieve the goal, this project will focus on: outreach to South Dakota's adults using a combination of traditional and innovative methods; support of local and regional activities through a competitive mini-grants program; and increased teacher, student and adult awareness of and proficiency in watersheds and watershed protection.

**Dennis Skadson, Northeast Glacial Lakes Watershed Improvement and Protection Project  
– Segment 3**

**Total Cost: \$1,190,420**

**319 Grant Request: \$302,150**

**Description:** The Day County Conservation District is the project sponsor. This is the third segment of a multi-year locally led effort to implement best management practices recommended by completed watershed assessments, and to build on previous efforts and protect water quality improvements realized from previous implementation projects. The goal of this project is to protect and improve the water quality of northeast South Dakota glacial lakes, streams and rivers by implementing best management practices that reduce the amount of fecal coliform bacteria, nutrients, and sediment loads entering project water bodies, maintaining their assigned beneficial uses.

**Brittney Molitor, Spring Creek Watershed Management and implementation Project -  
Segment 2 (Amendment)**

**Total Cost: \$1,417,806**

**319 Grant Request: \$348,000**

**Project Description:** Pennington County is the project sponsor for this three-year 319 and Clean Water State Revolving Fund (CWSRF) project. This is the second of six planned segments. This project would continue implementation of the BMPs identified in the TMDL reports for the Spring Creek Watershed. Completion of the activities planned for this segment would advance the BMP implementation for fecal coliform bacteria to 8 percent completed. These BMPs include management of riparian zones, stormwater, forestry, grazing, lake improvement, and on-site wastewater treatment systems.

**SD NPS PROGRAM MANAGEMENT PLAN REVISION: Dr. Helen Usera**

Jay Gilbertson introduced Dr. Helen Usera the facilitator for the review and revision of the SDNPS Program Management Plan.

Pete Jahraus reminded the group of the NPS Program Management Plan pre-planning questionnaire that had been sent out to be completed before the meeting.

**RECOMMENDATIONS FOR FUNDING:** Pete Jahraus presented the DENR staff recommendations for funding.

FFY 2014 319 NONPOINT SOURCE PROGRAM  
FUNDING RECOMMENDATIONS

FFY 2014 FUNDING (FY-13 minus 5.0%)

NPS Program Funds	\$1,154,725
Watershed Project Funds	<u>\$1,154,725</u>
	\$2,309,450
DENR Staff & Support	<u>(\$600,000)</u>
Total 319 Available for Projects	\$1,709,450
CWSRF Water Quality Grants	<u>\$240,550</u>
Total Available for Pass Through	\$1,950,000

	Requested	Recommendations			
		DENR		Total	BWNR
		319	WQ Grants		
<b>ASSESSMENTS PROJECTS</b>					
Total Assessments	\$0				
<b>IMPLEMENTATION PROJECTS</b>					
Belle Fourche Watershed Segment 6 (Amendment)	\$500,000	\$420,000	\$80,000	\$500,000	
Evaluating Polyacrylamide in Reducing Pollution	\$89,746	\$0	\$0	\$0	
Lewis & Clark Watershed Segment 4	\$1,400,000	\$819,450	\$80,550	\$900,000	
Northeast Glacial Lakes Segment 3	\$302,150	\$220,000	\$80,000	\$300,000	
NPS Information & Education Segment 4	\$370,500	\$250,000	\$0	\$250,000	
Spring Creek Watershed Segment 2 (Amendment)	\$348,000	\$0	\$0	\$0	
Total Implementation	<u>\$3,010,396</u>	<u>\$1,709,450</u>	<u>\$240,550</u>	<u>\$1,950,000</u>	

BALANCE	319 Funds	(\$1,300,946)
	319 plus CWSRF WQ	(\$1,060,396)

**TASK FORCE DETERMINATIONS:** Motion made by Angela Ehlers, SDACD to accept the DENR staff recommendations and to submit the recommendations to the Board of Water & Natural Resources. Second by Todd Kays. Motion carried

**TRIENNIAL REVIEW OF SD WATER QUALITY STANDARDS:** Patrick Snyder, Surface Water Program, explained the process used for the Triennial review of the Water Quality Standards for EPA. Discussion followed.

**DATE FOR NEXT MEETING:** The next meeting will be announced later.

Meeting adjourned.

Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING

Holiday Inn City Center  
Sioux Falls, South Dakota  
April 8, 2013

**CALL TO ORDER:** The meeting was called to order by Acting Chairman Jay Gilbertson, East Dakota Water Development District. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Acting Chairman Gilbertson asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Pete informed the group of an addition to the agenda. The South Dakota Farmers Union has requested to become a member of the Nonpoint Source Task Force. Motion was made by Jim Feeney DENR, to approve the agenda as amended. Second by Angela Ehlers, SD Association of Conservation Districts. Motion carried.

**APPROVAL OF MINUTES:** Motion by Paul Lepisto, Izaak Walton League, to approve the minutes of December 4, 2012, meeting; second by Les Labahn. Motion carried.

**ELECTION OF NEW CHAIR:** James Feeney asked for nominations for Chairman of the Nonpoint Source Task Force, Jay Gilbertson was nominated by David Clay. Motion to elect Jay Gilbertson as Chairman was made by Les Labahn and seconded by Paul Lepisto. Motion carried.

**ELECTION OF VICE CHAIR:** Chairman Gilbertson asked for nominations for Vice Chair. David Clay nominated Judge Jessop. Motion was made by Paul Lepisto to elect Judge Jessop. Second by Dana Lasike. Motion carried.

**NEW CORE MEMBER:** Jay Gilbertson asked the task force to consider the application from the South Dakota Farmers Union to become a core member. He informed the board of the criteria to add a core member.

1. Needs to be a statewide organization
2. Have an interest in water quality
3. Needs to show commitment to the process (the member needs to regularly attend the meetings, be willing to actively participate in the meeting and follow the protocols, guidelines and procedures).
4. Has to receive majority vote of the core members.

Motion was made by Angela Ehlers, SD Association of Conservation Districts to accept the South Dakota Farmers Union as a new core member of the Nonpoint Source Task Force; second by Lisa Richards, SD Corn Growers. Motion carried.

**IOWA SOYBEAN GROWERS PRECISION AGRICULTURE:** Todd Sutton, Operations Manager for the Environmental Program and Services of Iowa Soybean Association gave a presentation. Mr. Sutton's presentation is available on the digitally recorded minutes on the DENR website at <http://denr.sd.gov/boards/schedule.aspx>.

**PRECISION AGRICULTURE IN SOUTH DAKOTA:** David Clay, from South Dakota State University gave a presentation. Mr. Clays' presentation is available on the digitally recorded minutes on the DENR website at <http://denr.sd.gov/boards/schedule.aspx>.

**EQUIP AND PRECISIOIN AGRICULTURE IN SOUTH DAKOTA:** Jennifer Wurtz, NRCS, gave a presentation. Ms. Wurtzs' presentation is available on the digitally recorded minutes on the DENR website at <http://denr.sd.gov/boards/schedule.aspx>.

**SOIL HEALTH DEMONSTRATION:** NRCS Rainfall Simulator Demonstration.

**WATER AS A CROP:**Carolynn Leaman gave a power point presentation, handout was provided.

**STATE NPS MANAGEMENT PLAN UPDATE:** Pete Jahraus updated the Task Force on the state NPS Management Plan, handout was provided.

**DATE FOR NEXT MEETING:** The next meeting will be announced later.

Meeting adjourned.

Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING

Matthew Training Center  
Pierre, South Dakota  
December 4, 2012

**CALL TO ORDER:** The meeting was called to order by Acting Chairman Jay Gilbertson, East Dakota Water Development District. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Acting Chairman Gilbertson asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Pete informed the group of an addition to the agenda. The Sierra Club has requested to become a member of the Nonpoint Source Task Force. Motion was made by Paul Lepisto, Izaak Walton league, to approve the agenda as amended. Second by Angela Ehlers, SD Association of Conservation Districts. Motion carried.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts, to approve the minutes of December 7, 2011, meeting; second by Joyce Williams US Geological Survey. Motion carried.

**NEW CORE MEMBER:** Jay Gilbertson asked the task force to consider the application from the Sierra Club to become a core member. He informed the board of the criteria to add a core member.

1. Needs to be a statewide organization
2. Have an interest in water quality
3. Needs to show commitment to the process (the member needs to regularly attend the meetings, be willing to actively participate in the meeting and follow the protocols, guidelines and procedures).
4. Has to receive majority vote of the core members.

Motion was made by Todd Kays, Planning District to accept the Sierra Club as a new core member of the Nonpoint Source Task Force; second by Paul Lepisto. Motion carried.

**REVIEW OF AVAILABLE FUNDS:** Jim Feeney gave an overview of available funds. Handout was provided. Discussion followed.

**319 GRANT APPLICATION PRESENTATIONS:** 319 Grant application presentations were given by:

**Angel Ehlers, SDACD & Mike Kuck, SDACD; 303(d) Watershed Planning and Assistance Project - Segment 3**

**Total Cost: \$4,489,889**

**319 Grant Request: \$711,608**

**Project Description:** The South Dakota Association of Conservation Districts is the project sponsor. This project will continue to provide planning, design, and agricultural best management practice (BMP)

installation assistance in selected 303(d) watersheds in South Dakota. The project will also develop 5 year watershed based plans for all active 303(d) watershed projects, develop conservation plans for selected 12 digit Hydrologic Units within 303(d) project areas, assist projects with post implementation monitoring and evaluation, and continue to provide water quality information and education to the general public.

**Tim Reich, BFRWP; Belle Fourche River Watershed Management & Project Implementation Plan - Segment 6**

**Total Cost: \$4,947,900**

**319 Grant Request: \$1,195,000**

**Project Description:** The Belle Fourche River Watershed Partnership is the project sponsor for this 2-year project. This is the sixth segment of seven planned project segments that address a cluster of seven TMDLs. Completion of the activities planned for this segment will reduce *E. coli* and advance the BMP implementation for TSS pollutants to 70 percent complete. These BMPs include: (1) installing irrigation control units, (2) irrigation canal modeling, (3) lining irrigation canals, (4) replacing irrigation ditches with pipelines, (5) installing irrigation sprinkler systems, (6) implementing grazing management systems, (7) installing riparian vegetation improvements, (8) clean water diversion, (9) relocating livestock feeding grounds, and (10) developing alternatives for storm water management.

**Rob Roeber, Cottonwood Lake Association; Cottonwood Lake Watershed Project**

**Total Cost: \$493,000**

**319 Grant Request: \$205,000**

**Project Description:** The Cottonwood Lake Association is the project sponsor. This project seeks to increase domestic water supplies with cost sharing funds for Mid-Dakota hookups, enhance water-based recreation at the public beach, develop a boat ramp and dock on the north side of the lake, increase drainage from spring runoff, provide lake improvements, provide sanitary and sewer improvements, protect water quality, and promote fish habitat.

**Christopher Hay, SDSU; Cropland Planning for Water Quality Improvement**

**Total Cost: \$39,918**

**319 Grant Request: \$23,897**

**Project Description:** South Dakota State University is the project sponsor. The Cropland Planning for Water Quality Improvement project is a 1-year planning project that is expected to lead to a future comprehensive implementation and information and education project designed for water quality improvement of surface waters impacted by croplands in South Dakota. This project will organize a coalition of cooperating organizations with common interests in increasing voluntary conservation practices on croplands, conduct planning and assessment activities for a larger implementation project, and conduct a series of information and education events.

## **Judge Jessep, SD Grassland Coalition; Grassland Management and Planning Project - Segment 4**

**Total Cost: \$779,700**

**319 Grant Request: \$316,985**

**Project Description:** The South Dakota Grasslands Coalition is the project sponsor. This is a statewide project that will help plan and install grazing management systems. It serves producers in all parts of South Dakota, but will give highest priority to assisting producers in active watershed restoration project areas (Section 319 projects). This is a two year continuation of the current Grassland Management and Planning project.

## **Jeppe Kjaersgaard, SDSU; Developing BMPs to Minimize the Water Quality Impacts of Winter Manure Spreading - Segment 1 (Amendment)**

**Total Cost: \$136,241**

**319 Grant Request: \$81,662**

**Project Description:** South Dakota State University is the project sponsor. Nutrient, sediment and bacteria loss at the watershed scale will be monitored using flumes at the outlets of each of three small watershed areas. The continuous record of discharge and water quality samples will be used to calculate loads of suspended sediments, nutrients, and *E. coli* loads from each watershed. We will compare different winter manure spreading practices to evaluate the risk of water quality degradation. The information gained will be used to develop management strategies and best management practices that more effectively reduce nutrient, sediment, and bacteria loading to surface water.

## **Rocky Knippling, Randal RC&D; Lewis & Clark Watershed Implementation Project - Segment 3 (Amendment 3)**

**Total Cost: \$2,794,400**

**319 Grant Request: \$400,000**

**Project Description:** The Randall Resource Conservation and Development Council is the project sponsor. This proposal is an amendment to the third segment of a locally planned multi-year (10-15 year) effort to implement best management practices (BMPs) in the Lewis and Clark Lake watershed, Lake Andes, Geddes, Academy and Platte Lake Watersheds. This effort is aimed at restoring water quality to meet designated beneficial uses and address TMDLs established, and to be established, for water bodies in these watersheds.

Discussion followed.

**DAKOTA DUST BOWL: VIDEO: SD Public Broadcasting**

**RECOMMENDATIONS FOR FUNDING:** Pete Jahraus presented the DENR staff recommendations for funding.

	<b><u>TOTAL</u></b>	<b><u>319</u></b>	<b><u>CWSRF</u></b>	<b><u>604B</u></b>
303(d) Watershed Segment 3	\$ 711,608	\$ 430,000	\$ 125,000	\$ 0
Belle Fourche River Watershed Segment 6	\$1,195,000	\$ 800,000	\$ 125,000	
Cottonwood Lake Watershed	\$ 205,000	\$ 0	\$ 0	
Cropland Planning for Water Quality Imp.	\$ 23,897	\$ 0	\$ 0	\$ 23,897
Grassland Management Segment 4	\$ 316,985	\$ 191,000	\$ 125,000	\$ 0
Winter Manure spreading Segment 1 (Amendment)	\$ 81,662	\$ 50,000		
Lewis & Clark Watershed Imp. Segment 3	\$ 400,000	\$ 275,000	\$ 125,000	\$ 0
<b>Totals</b>	<b>\$2,934,152</b>	<b>\$ 1,746,000</b>	<b>\$ 500,000</b>	<b>\$ 23,897</b>

**TASK FORCE DETERMINATIONS:** Motion made by Todd Kays to accept the DENR staff recommendations 303(d) Watershed Segment 3, Cottonwood Lake Watershed, Cropland Planning for Water Quality Imp., Grassland Management Segment 4, and Lewis and Clark Watershed Segment 3 and to submit the recommendations to the Board of Water & Natural Resources. Second by Lisa Richardson, SD Corn Growers. Motion carried.

Second motion made by Todd Kays, Planning Districts to approve Belle Fourche for \$780,000.00 319 and \$125,000 CWSRF and Winter Manure Spreading Segment 1 (Amendment) for \$70,000.00 319, and to submit the recommendations to the Board of Water & Natural Resources. Second by Paul Lepisto, Izaak Walton League. Motion carried.

**DATE FOR NEXT MEETING:** The next meeting is planned for April. The day will be announced later.

Meeting adjourned.

**SIGN IN SHEET FOR TASK FORCE MEETING  
NONPOINT SOURCE TASK FORCE  
December 4, 2012**

**NAME**

1. Mike Kuck SDHED
2. Larry Nelson S.D. Isaac Walton League
3. Dave Templeton DENR
4. David Clay SDSU
5. JOHN LOTT SD GFP.
6. Paul Lepisto ISAAC WALTER LEAGUE
7. Bill Smith SDDA
8. David Horke DENR
9. Rep Frank Klourek SD #19 Rep
10. Roger Knipping Lewis & Clark
11. Kyle Knipping Lewis & Clark
12. Byron Nagel SDCA
13. [Signature] First Dist Assn of Local Govts
14. Rob Roeder Cottonwood Lake Association

**SIGN IN SHEET FOR TASK FORCE MEETING  
NONPOINT SOURCE TASK FORCE  
December 4, 2012**

**NAME**

1. Les Labahn
2. Jay Gilbertson      East Dakota WTD
3. Nana Joseke      Sierra Club
4. Matt Stoltendberg      BFRWP
5. Tim Reich      Butte CD / BFRWP
6. Jared Oswald      RESPEC
7. Judge Jossup      SD Grassland Coalition
8. Angela Eilers      SDACD
9. Geop Williamson      USGS
10. Michael L Schmidt
11. Lowell Mesman      SDFB
12. Jim Faulstich      SDGLC
13. Rick Vallery
14. James Feeney      DENR

**SIGN IN SHEET FOR TASK FORCE MEETING  
NONPOINT SOURCE TASK FORCE  
December 4, 2012**

**NAME**

1. Dennis C. Cronk Brewer

2. DAVE BARTEC JRWOD

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

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Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING

Capitol Lake Vistor Center  
Pierre, South Dakota  
December 7, 2011

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Motion by Jim Feeney, Department of Environment and Natural Resources, to approve the agenda for the meeting; second by Les Labahn, Randall Resource Conservation & Development (RC&D) / South Dakota Association of Resource Conservation and Development Councils (SDARCCDC), Pickstown, SD. Motion carried.

**APPROVAL OF MINUTES:** Motion by Les Labahn, Randal RC & D/SDARCCDC's, Pickstown, SD, to approve the minutes of September 14, 2011, meeting; second by Jim Feeney, DENR. Motion carried.

**REVIEW OF AVAILABLE FUNDS:** Jim Feeney gave an overview of available funds. Handout was provided. Discussion followed.

**319 GRANT APPLICATION PRESENTATIONS:** 319 Grant application presentations were given by:

**Tim Reich, Belle Fourche River Partnership; Belle Fourche River – Segment 5 Amendment**

**319 Grant Request: \$460,285**

**Project Description:** The Belle Fourche River Watershed Partnership is the project sponsor for this 2 year project. This is an amendment to the fifth segment requesting additional 319 funding. The project will continue implementation of the BMPs identified in the TMDL report for the Belle Fourche River Watershed. The amendment includes funding for additional improvements to irrigation water delivery and application, riparian management, and monitoring to assess BMPs.

**Rocky Knippling, Randal RC & D; Lewis & Clark Project – Segment 3 Amendment**

**319 Grant Request: \$548,063**

**Project Description:** The Randall Resource Conservation and Development Council is the project sponsor. This is an amendment to the third segment requesting additional 319 funding. This effort is aimed at restoring water quality to meet designated beneficial uses and address

TMDLs established, and to be established, for water bodies in the targeted watersheds. The amendment to Segment 3 will continue funding assistance for BMP installation and an information campaign to keep stakeholders informed of project activities and progress.

### **Dave Kringen, Lower James River Watershed Implementation Project – Segment 3**

**319 Grant Request: \$634,558**

**Project Description:** The James River Water Development District is the project sponsor. Segment 3 will target the reduction of nutrient, sediment, and bacteria loading to the Lower James River, its tributaries and lakes within the watershed. Activities planned will focus on installation of animal waste management systems, grassland, and cropland BMPs, water quality monitoring, and completion of an information and education program.

### **Dennis Skudsen, Northeast Glacial lakes Watershed Improvement & Protection Project – Segment 3 Amendment**

**319 Grant Request: \$326,178**

**Project Description:** The Day Conservation District is the project sponsor. This segment will continue to protect and improve the water quality of northeast South Dakota glacial lakes by implementing best management practices that reduce the amount of fecal coliform bacteria, nutrients, and sediment loads entering project water bodies. The amendment to this proposal is adding several additional watersheds and requesting additional 319 funding. Other lakes and reservoirs will be added to future segments as assessments are completed and needs reevaluated.

### **Brittney Molitor, Spring Creek Watershed Management & Project Implementation – Segment 2**

**319 Grant Request: \$810,000**

**Project Description:** Pennington County is the project sponsor for this 2-year project. This is the second of six planned segments. This project would continue implementation of the BMPs identified in the TMDL report for the Spring Creek Watershed. Completion of the activities planned for this segment would advance the BMP implementation for fecal coliform bacteria to 15 percent completed. These BMPs include management of riparian zones, stormwater, forestry, grazing, lake improvement, and on site wastewater treatment systems.

### **Roger Foote, Upper Big Sioux Watershed Project – Segment 6**

**319 Grant Request: \$870,000**

**Project Description:** The City of Watertown is the project sponsor. This is the sixth segment (17<sup>th</sup> year) of a planned 20 year implementation effort. The project is designed to continue to

improve water quality of the Big Sioux River, lakes Kampeska and Pelican by reducing nutrient and sediment loads originating from grazing and animal feeding operations, crop ground and pasture lands, and from stream/river banks and lake shoreline.

**Elmer Ward, Vermillion River Basin Watershed Project – Segment 2**

**319 Grant Request: \$307,617**

**Project Description:** The McCook Conservation District is the project sponsor. This is the second project segment of a multi-year effort to restore the Vermillion River’s water quality. Best management practices (BMPs) identified during the watershed assessment will target fecal coliform and total suspended solids. The final assessment report and establishment of TMDLs for bacteria and sediment is scheduled for completion during 2011.

**WATER QUALITY TRADING CENTRAL BIG SIOUX RIVER:** Jared Oswald, RESPEC gave a presentation.

**MANAGING WATER HARVESTING RESULTS: VIDEO: AG WATER SUMMIT**

**RECOMMENDATIONS FOR FUNDING:** Pete Jahraus presented the staff recommendations for funding.

FFY 2012 Funding Based on Presidents Budget

Base 319 Grant	\$1,071,300
Incremental Grant Funding	<u>\$1,521,500</u>
319 Administration	(\$644,000)
319 Pass Through	<b>\$1,948,800</b>
CWSRF Water Quality Grants	<u>\$500,000</u>
<b>Total Available (Pass Through)</b>	<b>\$2,448,800</b>

	<u>TOTAL</u>	<u>319</u>	<u>CWSRF</u>
Belle Fourche River – Segment 5 (Amendment)	\$282,000	\$232,000	\$50,000
Lewis & Clark Project – Segment 3 (Amendment)	\$473,000	\$373,000	\$100,000
Lower James River Project Segment 3	\$381,000	\$281,000	\$100,000
Northeast Glacial lakes Segment 2 (Amendment)	\$235,000	\$185,000	\$50,000
Spring Creek Mgt. & Imp. – Segment 2	\$450,000	\$350,000	\$100,000
Upper Big Sioux River project – Segment 6	\$375,000	\$325,000	\$50,000
Vermillion River Project – Segment 2	<u>\$252,800</u>	<u>\$202,800</u>	<u>\$50,000</u>
<b>Totals</b>	<b>\$2,448,800</b>	<b>\$1,948,800</b>	<b>\$500,000</b>

**TASK FORCE DETERMINATIONS:** Motion made by Angela Ehlers, SDACD to accept the DENR staff recommendations and to submit the recommendations to the Board of Water & Natural Resources. Motion was seconded by Dave Clay, SDSU. Motion carried.

**DATE FOR NEXT MEETING:** The next meeting is planned for April. The day will be announced later.

Meeting adjourned.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Cedar Shores Resort  
Oacoma, South Dakota  
September 14, 2011

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Motion by Jay Gilbertson, East Dakota Water Development District, to approve the agenda for the meeting; second by Joyce Williamson, US Geological Survey. Motion carried.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts, to approve the minutes of the December 9, 2010, meeting; second by Joyce Williamson, US Geological Survey. Motion carried.

**319 PROGRAM UPDATE:** Peter Monahan and Al Basile Region 8 EPA discussed the 319 Program evaluations being conducted by the Office of Management and Budget (OMB), Government Accountability Office (GAO), and EPA Headquarters. Some of the things being looked at include:

- Accelerate water quality improvements and restoration through greater program integration and timelier implementation of nonpoint source controls.
- Increased accountability through greater use of satisfactory progress reviews, improved measures and updated NPS Management Program Plans.
- Continue to make progress in restoring specific waterbodies/watersheds while strengthening state approaches that can achieve more rapid improvement on a broad (geographic or categorical) scale.
- Increase leveraging of Section 319 NPS funds with other federal, state, local, and private sector funding.
- To extent feasible, make changes beginning in FY 2012; in other cases, FY 2013

**MISSOURI RIVER FLOODING:** Mark Rath, SD DENR discussed what led to this summer's Missouri River flooding.

Full flood control capacity of the mainstem reservoir system was available at the start of the 2011 runoff season. Unprecedented runoff occurred in the Missouri River Basin above Sioux City, Iowa during May and June. June was the single wettest month on record with 13.8 MAF of runoff, surpassing the old record of 13.2 MAF set in April 1952. May was the third wettest month on record, with 10.5 MAF of runoff shattering the

previous May record of 7.2 MAF set in May 1995. Combined May and June runoff of 24.3 MAF is just short of a normal annual runoff of 24.8 MAF. High releases will continue through at least September to evacuate stored flood water. The goal is to evacuate reservoirs to provide time for damage assessment and repair prior to next year's runoff season.

**DRAINAGE BASICS:** Jay Gilbertson, East Dakota Water Development District, provided a review of South Dakota "Case Law", 1985 Drainage Law (SDCL 46A-10A), and County Drainage Permits.

Courts have, through a series of individual cases, defined how disputes over drainage issues have been, or are likely to be, resolved. Upper landowners have an inherent right to drain on to lower landowners, provided: No inter-watershed transfer; Water moves over, but does not stay on the land; No change in the rate or nature of flow; Capacity of the watercourse is not exceeded; and Water quality is not degraded.

Since 1985, many counties in the I-29 corridor adopted some form of drainage controls. Drainage Plans are in place for some, but not all. The basic format is similar. County Commissions act as Drainage Board. Day-to-day administration handled by staff. Process seeks to promote neighbor to neighbor communication, in lieu of actual impact assessments. To date, few serious challenges, but concern persists.

The Standard Operating Procedure for county drainage ordinances has been to approve pretty much everything: Downstream landowner signs a waiver agreeing to the drainage; and Assertions of applicant and contractor accepted at face value. Court challenges have all been settled before a serious legal assessment of SDCL 46A-10A. Counties (mostly) recognize that the existing ordinances are problematic. A number of Counties are currently considering repealing their existing drainage ordinance process, including ruling on drainage permits and disputes.

**TOUR:** Rocky Knippling, Coordinator for the Lewis and Clark Watershed Project reported that we would be going to two feedlots; Charles Swanson in Brule County located south of Pukwana and Brink Farms in Charles Mix County north of Platte.

**DATE FOR NEXT MEETING:** The next meeting date will be left open for now but is planned for early December.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
December 9, 2010

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:**  
Agenda was approved.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, South Dakota Association of Conservation Districts (SDACD), to approve the minutes of the April 20, 2010, meeting; second by Jody Hickman, South Dakota Cattlemen. Motion carried.

**AVAILABLE FUNDS OVERVIEW:** Jim Feeney, South Dakota Department of Environment and Natural Resources (DENR), discussed that the federal budget for FFY 2011 is still unknown at this time. The 319 funding level has been the same for the last five or six years at just over \$3.1 million allocated for South Dakota. If DENR retains \$680,000 for staff and support, which is same level for about nine years, it leaves just under \$2.5 million to pass through for projects. This is the best estimate we have now until there is a federal FFY 2011 budget. If the budget comes in less, every project will have to take the same percentage cut.

**TASK FORCE CORE MEMBERS:** Pete Jahraus discussed the approval and removal of core members. A period of questions and answers was held. Motion by Jay Gilbertson, East Dakota WDD, to relegate the Farm Service Agency, SD Resources Coalition, Black Hills Multiple Use Coalition, SD Association of Rural Water Systems, and SD Lakes and Streams Association to information only status. US Bureau of Reclamation is to be left on the core list. Second by Jodi Hickman. Motion carried. Discussion was then held on the difference between the SDSU Extension and SDSU Water Resource Institute regarding water quality issues. Motion by Curt Reitsma to defer action until the next meeting, second by Les Labahn. Motion carried.

Paul Lepisto asked that Jerry Schlekeway be added to the contact list. Jerry is the division president of the Izaak Walton League.

### **319 GRANT APPLICATION PRESENTATIONS:**

#### **Belle Fourche River Watershed Implementation Project – Segment 5**

Total Cost: \$4,946,151

319 Grant Request: \$1,389,425

Tim Reich delivered a power point presentation in which he talked about a ten year plan for reductions above and below Orman Dam. They have installed 29 automated gates, 18 real timesites, over 11 thousand feet of main canal lining and 14.5 thousand feet of delivered pipe line from the district to the fields. The field applications included 37 center pivots on 3300 acres, 25 projects have converted open ditch delivery to pipelines totaling almost 59 thousand feet, and 44 different range riparian improvement projects have affected over 350 thousand acres of range. The 10 year plan called for 357 milligrams per liter reduction in Total Suspended Solids, and to date it has been reduced by 164 milligrams per liter. Segment 5 would reduce it by another 61 milligrams per liter. The segment 4 projects will be completed by June 1, 2011.

#### **Central Big Sioux River Watershed Project Segment 2**

Total Cost: \$1,901,409

319 Grant Request: \$510,788

Jack Majeres stated that Moody County Conservation District has stepped up to be the sponsor of the segment 2 of the Central Big Sioux Water Quality Project. In this segment they will continue the work from segment 1 and will be working extensively with the city of Sioux Falls. The highlight of this particular project is that it combines not only the nonpoint source issues but it also includes the effects that the largest municipality has in that watershed. They are working on interim funding to continue this project until segment 2 has been awarded funding. Using Clean Water State Revolving Funds (SRF), the city of Sioux Falls is helping to implement many of the practices both during the interim project and segment 2. The bacterial content, both fecal and e coli, total suspended solids, and nutrients are what is going to be looked at from the nonpoint side with emphasis on reducing the agriculture nutrients getting into the river. Plans are to develop 12 nutrient management plans, 8 animal nutrient management systems, and 105 targeted acres of additional riparian management in the watershed. Another alternative that is being looked at are tile drainage where the flow from the tiles would be treated to reduce the nutrient levels.

#### **Lake Poinsett Watershed Implementation Project Segment 2 - Amendment**

Total Cost: \$1,706,700

319 Grant Request: \$486,462

Rick Smith gave an overview of the past project activities. The Hamlin Conservation District proposes to continue implementing practices needed to restore Lake Poinsett watershed and ensure the long term realization of all designated uses of the lake. This funding request is an amendment to the second segment of a local effort to complete BMP installation to reduce by forty percent the phosphorus loadings to Lake Poinsett originating from winter feeding areas, stream and lakeside use areas, and cropland. This amendment proposes to expand the project area to include additional portions of the Big Sioux River Watershed north of the Brookings County line and below the city of Watertown. The primary focus of the expanded area will be fecal coliform reduction to meet TMDL standards.

Lewis & Clark Watershed Implementation Project – Segment 3

Total Cost: \$2,469,640

319 Grant Request: \$996,690

Rocky Knippling informed the task force that they were just finishing up the first half of segment 2. They have had a good year of getting producer participation. The Lewis & Clark reservoir has been plagued with the sedimentation issue. Sediment is dumping into the reservoir at the rate of 2600 acre feet per year. One of the major changes to the project in segment two is the addition of the Geddes, Academy, and Platte lake watersheds in the fall of 2009. The total coverage of Lewis & Clark is 2.5 million acres. There have been 32 completed engineered designs, 40 nutrient plants, and 28 constructed animal waste management systems. The plans for segment 3 will be similar to what was done in segment 2 if the funding is obtained. There are eight systems that are to be built in 2011 and the possibility of three more being added if EQIP funding is obtained.

East Dakota Riparian Area Restoration and Protection Project

Total Cost: \$664,500

319 Grant Request: \$397,250

Jay Gilbertson discussed the East Dakota Riparian Restoration & Protection Project. This is for long-term, 30-year or permanent riparian easements. The primary impairments are bacterial (e coli and fecal), dissolved oxygen, and total suspended solids. Promoting easements is the top task. They also are going to have a small public outreach program.

Spring Creek Watershed Implementation Project Segment 1 - Amendment

Total Cost: \$853,334

319 Grant Request: \$490,000

Brittany Molitor stated that this is an amendment to the project and gave an overview of the past project activities. Currently, there are seven pending best management practices applications requesting more than \$75,000.

Vermillion River Basin Project – Segment 2

Total Cost: \$984,831

319 Grant Request: \$365,000

Elmer Ward stated that they are trying to address the two TMDLs on the Vermillion River Basin which were listed for total suspended solids (east fork of the river) and fecal coliform (west fork of the river).

**RECOMMENDATIONS FOR FUNDING:** Pete Jahraus presented the DENR's funding recommendations:

Staff and Support	\$680,100	
Belle Fourche River	\$400,000	Directed towards project management
Central BS River	\$400,000	No funding for post assessment of Bachelor Creek
Lake Poinsett	\$400,000	Limited to 319 Projects listed in SDNPS mgmt plan
Lewis & Clark	\$600,000	Limited to 319 Projects listed in SDNPS mgmt plan
East Dakota Riparian	\$280,000	\$250,000 match for easements
Spring Creek	\$300,000	\$60,000 for riparian, \$100,000 WWT, \$100,000 for project management, \$10,000 planning, \$30,000 samples
Vermillion River	\$100,000	for animal waste management systems

**TASK FORCE DETERMINATIONS:** Motion to accept the DENR staff recommendations and to submit the recommendations to the Board of Water & Natural Resources by Joyce Williamson (USGS), second by Jodi Hickman. The motion carried unanimously.

**AGENCY REPORTS:** Kurt Reitsma SDSU Extension, discussed how to target BMP recommendations and understand barriers for adoption. The approach he took was to identify high risk areas and then determine the effectiveness of the project on the adoption of BMPs.

Bill Smith, SD Department of Ag, reported that the Conservation Commission held a fall grant round where 19 out of 20 applications were funded for about \$698,000. The Conservation Commission's 2011 docket was reviewed and it will be available shortly.

**DATE FOR NEXT MEETING:** To be determined, sometime in April.

**ADJOURN:** Rick Vallery adjourned the meeting at 2:15 PM.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
April 20, 2010

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

Chairman Vallery informed the group that the Department of Environment and Natural Resources (DENR) will have a Legislative agency sunset review this summer which will consist of 2 or 3 committee hearings.

**APPROVAL OF AGENDA:**  
Agenda was approved.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SDACD, to approve the minutes of the December 15, 2009, meeting; second by Jody Hickman, South Dakota Cattlemen. Motion carried.

**EPA NUTRIENT PRESENTATION:** Bert Garcia, EPA Region 8, discussed the effects of excess nutrients on a national level, regional level and the state level. He indicated that nutrient problems are complex and involve legal challenges, many resources at risk, and significant costs. He also talked about a technical conference in the fall of 2010. Mr. Garcia's presentation is available on the DENR website at: <http://denr.sd.gov/dfta/wp/nps/EPANNutrients0410.pdf>. A question and answer session was held following the presentation.

**HISTORY OF SD DRAINAGE LAW:** Diane Best, Attorney Generals Office, gave a refresher on the History of Water Drainage Law in South Dakota. The drainage laws were last revised in 2005. The laws are usually revised every five years, so they are getting close to a revision. A copy of the current publication of the revised drainage laws can be found at: <http://sdda.sd.gov/Department/PDF/SD-Water-Drainage-Law-Summary-2005.pdf>.

**MISSOURI RIVER:** Mark Rath, DENR, discussed Missouri River issues. The Corp of Engineers has a document called the Missouri River Master Manual. This document sets the framework for how they operate the Missouri River mainstem system. The Corp of Engineers also releases a publication each year called the Annual Operating Plan. This plan is based on the conditions that are occurring presently. In this plan they specify how they intend to operate the system for that upcoming year based on current conditions. Mr. Rath spoke of the history of this Master Manual and the changes it has gone through. Mr. Rath also gave an overview of what the Missouri River Basin encompasses.

**CORE MEMBER LIST:** A sub-committee was put together to review the process for becoming a core NPS Task Force member, how to remove a core member, and to provide the Task Force with recommendations. The sub-committee recommended that a core member should be a state wide organization, have a water quality interest, and needs to show commitment to the nonpoint source process. This would take a majority vote of those currently sitting as core members. The recommended process to remove a core member would be to send a letter/phone call asking them their interest in still remaining as a core member, inform the Task Force of the response, and make a decision by majority vote. If the organization is removed they would go on the information only list. Discussion was held on just the criteria to become a core member. Some concern was brought up about the statewide portion of the criteria. Motion by Angela Ehlers to adopt the recommendations of the sub-committee on adding a core member to the board; second by Mike Kuck. Motion carried. Motion by Jay Gilbertson to adopt the recommendations of the sub-committee on removing a core member; second by Joyce Williamson. Motion carried. The sub-committee is to meet again to redefine participation in more detail.

## **AGENCY REPORTS**

**IZAACK WALTON LEAGUE:** Paul Lepisto spoke of when his position was created and why. His main goals and objectives are to work on the Missouri River. He informed the task force on the Missouri River Recovery Implementation Committee (MRRIC), and the improvements that MRRIC has been able to accomplish. There will be four public scoping meetings held in South Dakota this summer. The scoping meetings are in Mobridge on May 25, Fort Pierre on May 26, Yankton on June 30, and Rapid City on June 28. Mr. Lepisto informed the task force of cleanup days that the Izaak Walton League has hosted and clean boat days to inform the public about preventing the spread of invasive species. The Izaak Walton League is also very concerned about climate changes and the decrease in precipitation. There are 1600 member's statewide and 13 chapters in the state.

**NRCS 75<sup>TH</sup> YEAR CELEBRATION:** Janet Oerty informed the group that this year the Natural Resources Conservation Service is celebrating it 75<sup>th</sup> anniversary of helping people help the land. On April 27<sup>th</sup> at 10:30 am they are hosting an event by revisiting an original demonstration farm in the Woolsey-Shoe Creek Watershed. This was the first erosion control project in South Dakota.

**FARM BUREAU:** Wayne Smith informed the task force that Minnehaha County is working on a Conservation Reserve Enhancement Program (CREP). They are finishing up with the acreage that will be affected and then put the presentation together and submit it to Washington for approval. They have also been working on a vegetative treatment area system (VTA) for a Confined Animal Feeding Operation (CAFO) near Corson. This will be the first individually permitted CAFO vegetative treatment area system in South Dakota.

**DATE FOR NEXT MEETING:** To be determined, sometime in September.

**ADJOURN:** Rick Vallery adjourned the meeting at 3:00 PM.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
December 15, 2009

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF MINUTES:** Motion by Jay Gilbertson, East Dakota Water Development District, to approve the minutes of the September 15, 2009 meeting; seconded by Joyce Williamson, USGS. Motion carried.

**FFY 2009 AVAILABLE 319 FUNDS OVERVIEW:** Pete Jahraus, SD Department of Environment & Natural Resources (DENR). The amount of 319 funds requested is \$2,925,720 with available funds being \$2,480,000. This means requests exceed available funds by \$445,720.

**319 GRANT APPLICATION PRESENTATIONS:**

**Belle Fourche River Watershed Mgmt. & Project Implementation - Segment 4 (Amendment)**

Total Cost: \$6,418,276

319 Request: \$732,050 Grant

Project Description: Tim Reich gave an overview of the Belle Fourche River Watershed Project. The Belle Fourche River Watershed Partnership is the project sponsor for this 2-year project. This is an amendment to the fourth segment. This project will continue implementation of the BMPs identified in the TMDL report for the Belle Fourche River Watershed. The amendment includes funding for additional: irrigation control units, installing irrigation sprinkler systems, riparian management, project management, monitoring, and further assessment of the watershed for TMDL development.

**Grassland Management and Planning Project-Segment 3**

Total Cost: \$728,260

319 Request: \$310,000 Grant

Project Description: Judge Jessup gave an overview of the Grasslands Management & Planning Project. This is a statewide project that will serve producers in active watershed restoration project areas (Section 319 projects). This is a two year continuation of the current Grassland Management and Planning project and will:

- a. Provide grassland managers with accelerated technical assistance to plan intensive grassland management systems (100,000ac), and implement grassland BMPs on 120,000 acres using dollars other than 319.
- b. Transfer information about grassland management gained from on-ranch demonstration projects and lessons learned through grazing systems implemented to ranchers, researchers, agency specialists, and the public.

Lower Big Sioux River Watershed Implementation Project – Segment 2

Total Cost: \$916,350

319 Request: \$325,000 Grant

Project Description: Barry Berg gave an overview of the Lower Big Sioux River Watershed Implementation Project. The two year Lower Big Sioux River Watershed Implementation Project (Segment 2) will target the reduction of nutrient, sediment, and bacteria loading to the Lower Big Sioux River, Lake Alvin, and the tributaries within the watershed. Activities planned will focus on BMP installation (animal waste management systems, cropland and grassland BMPs), water quality monitoring, bank stability testing, and completion of an information and education program.

Nonpoint Source Information and Education Project – Segment 3

Total Cost: \$534,086

319 Request: \$300,000 Grant

Project Description: Kristie Maher gave an overview of the Nonpoint Source Information and Education Project-Segment 3. The 2010 South Dakota Nonpoint Source Information and Education Project is designed to continue providing South Dakota's citizens information and education opportunities about non-point source pollution in order to gain their support for and participation in nonpoint source pollution prevention and reduction practices. To achieve the goal, this project will focus on:

1. Providing information to South Dakota's adults using the principles of social marketing.
2. Supporting local and regional activities through a competitive grants program.
3. Increasing teacher, student and adult awareness and proficiency in reducing Nonpoint source pollution using Environmental Education Training and Partnership resources and practices.

Spring Creek Watershed Management and Project Implementation-Segment 1

Total Cost: \$725,161

319 Request: \$430,500

Project Description: Dan Jennissen gave an overview of the Spring Creek Watershed Management and Project Implementation-Segment 1. Pennington County is the project sponsor for this 2-year project. This is the first of six planned segments. This project will begin implementation of the BMPs identified in the TMDL report for the Spring Creek Watershed. These BMPs include management of the riparian zones, stormwater, and septic systems along with sediment removal in Mitchell and Major lakes.

Upper Big Sioux River Watershed Project-Segment 5 (Amendment)

Total Cost: \$2,515,202

319 Request: \$540,000 Grant

Project Description: Mike Williams gave an overview of the Upper Big Sioux River Watershed Project-Segment 5 (Amendment). The project is designed to continue reducing nutrient and sediment loads entering Lake Kampeska and Pelican Lake. This is an amendment to the fifth segment. Reduction of nutrient loads for the watershed will be accomplished through the installation of animal nutrient management systems and innovative manure application. Sediment loads from the watershed will be reduced by installing riparian area repair practices, grasses waterways and small dams/basins, and stabilizing streambanks and lakeshores. The amendment will fund additional animal nutrient management systems and lake shoreline stabilization.

Upper Snake Creek Watershed Project-Segment 1 (Amendment)

Total Cost: \$597,381

319 Request: \$288,170 Grant

Project Description: Brett Knox gave an overview of the Upper Snake Creek Watershed Project. The Upper Snake Creek Watershed Project's first segment will be completed by June 30, 2010. The project is restoring and/or maintaining Mina Lake, Loyaltan Dam, Cresbard Lake and Snake Creek water quality. The work planned for this amendment will continue to implement BMPs that reduce sediment and nutrient loading and prevent bacterial contamination.

Chairman Rick Vallery called lunch recess at 11:40 am and stated that we would continue at 1:00 pm.

Chairman Rick Vallery called the meeting back to order at 1:00 pm.

Tim Reich with Belle Fourche was asked to expand on some of his answers on previous questions.

Chairman Rick Vallery announced the list of Core Members to make sure that those who were present understand that they had a voting privilege.

There was a request for an additional member. The request was from Belle Fourche River Watershed Partnership. Discussion was held. The Core Group makes the decision on membership which is voted on. Jay Gilbertson stated that it was a reasonable request, but he thought given the timing, in the middle of a funding round in which the Belle Fourche River Watershed Partnership is an applicant, he would prefer to defer action on this until either the end of the meeting or the next task force meeting so there is not a conflict. Angela Eihlers stated that she agreed with Jay and would also like the task force to revisit the Core Membership, maybe at a different Task Force Meeting, as there are several members of the Core that have not been to meetings in years. She asked that we add this to the agenda of the next Task Force meeting as we look at the Core Membership and go back to some of the members that have not been here in a long time and find out if they still want to be part of the Core. Bill Smith asked if the Task Force has guidelines or bylaws to prevent possible conflicts of interest or things that could cause us problems down the line if EPA looks at the Task Force recommendations. Chairman Vallery indicated that he was not aware of any guidelines or bylaws. Bill also supported Angela's and Jay's to approach this at the next meeting.

Motion by Angela Ehlers to have Chairman Vallery appoint a subcommittee for the purpose of reviewing the Core List of Members and the process for adding and removing members. Second by Jodie Hickman. Motion carried.

**DENR Funding Recommendations**

Pete Jahraus presented the DENR funding recommendations.

Belle Fourche River Watershed Mgmt and Project Imp. - Segment 4 (Amendment)

319 Request - \$732,050

DENR recommendation: \$641,150 with no 319 funding recommended for monitoring (Task 4). The state is already collecting data at the WQM sites and this is the preferred method for continued monitoring.

Grassland Management and Planning Project-Segment 3

319 Request - \$310,000  
DENR recommendation: \$310,000 as requested.

Lower Big Sioux River Watershed Implementation Project-Segment 2

319 Request - \$325,000  
DENR recommendation: \$325,000 as requested.

Nonpoint Source Information and Education Project-Segment 3

319 Request - \$300,000  
DENR recommendation: \$300,000 as requested.

Spring Creek Watershed Management and Project Implementation-Segment 1

319 Request - \$430,500  
DENR recommendation: \$324,000 with a cap of \$100,000 total 319 for products 3 & 6 due to planning activities having a lower priority than implementation of Best Management Practices.

Upper Big Sioux River Watershed Project-Segment 5 (Amendment)

319 Request - \$540,000  
DENR recommendation: \$420,000 for the additional animal waste management systems with no funding recommended for additional lakeshore stabilization.

Upper Snake Creek Watershed Project-Segment 1 (Amendment)

319 Request - \$288,170  
DENR recommendation: \$159,850 with the new dollars being restricted for use in the Mina Lake Watershed only.

**NPS Task Force Recommendations**

Jay Gilbertson, EDWDD, expressed concerns about the lack of local match from some of the project sponsors. He then made a motion to fund the projects at the levels listed below:

Belle Fourche River Watershed Mgmt and Project Imp. -Segment 4 (Amendment)

319 Request - \$732,050                      Jay's motion \$413,500

Grassland Management and Planning Project-Segment 3

319 Request - \$310,000                      Jay's motion \$310,000 (same as DENR)

Lower Big Sioux River Watershed Implementation Project-Segment 2

319 Request - \$325,000                      Jay's motion \$325,000 (same as DENR)

Nonpoint Source Information and Education Project-Segment 3

319 Request - \$300,000                      Jay's motion \$300,000 (same as DENR)

Spring Creek Watershed Management and Project Implementation-Segment 1

319 Request - \$430,500                      Jay's motion deferral pending additional information.

Upper Big Sioux River Watershed Project-Segment 5 (Amendment)

319 Request - \$540,000                      Jay's motion \$420,000 (same as DENR)

Upper Snake Creek Watershed Project-Segment 1 (Amendment)

319 Request - \$288,170                      Jay's motion \$159,800 (same as DENR)

Motion was seconded by Dave Clay, SDSU Department of Agriculture. The motion failed.

Motion by Joyce Williamson to accept the DENR Funding recommendations. Seconded by Jay Gilbertson. Motion carried.

**AGENCY REPORTS**

SD Cattleman's Association: Jodie Hickman informed the group about some statewide issues the Association is going to be watching over the next coming weeks and months. They include working with DENR on the renewal of the general permit for animal feeding operations, monitoring what will be happening with the 590 standard national revisions (NRCS standard dealing with the spreading of manure on frozen ground), and continue to monitor the use of the phosphorous index. On the Federal level there are some issues that they have a vested interest in. One is the Clean Water Restoration Act, which is proposing to remove the term navigable from the definition of Waters of the United States. They are also monitoring a bill related to the Chesapeake Bay Watershed Management. If it passes it may set a new standard or precedence for watershed management that might have a detrimental impact on agriculture. US Geological Survey: Joyce Williamson discussed the status of USGS funding. The gage cost for 2010 is \$14,200 per installation. South Dakota is one of the few states where USGS will still match all gages 50/50. She has a goal to keep the gage cost increase to 3% or less. The majority of the gages funded last year are also funded this year with the exception of Spearfish Creek above Spearfish, that was previously funded by the city and they are no longer funding that one. Little Vermillion River by Salem and the east fork of the Vermillion River near Parker, were not funded last year but funds were found to cover them for this year.. Funding for the National Streamflow Information Program (NSIP) has increased over the past couple of years. These dollars can only be used for certain cites, and they have to meet certain criteria.

Forest Services Fort Pierre National Grasslands: Ruben Leal informed us of a new Water Resources Webpage that will be available to all of their partners in about a month or so.

**OTHER ITEMS**

EPA/Nutrients: Pete Jahraus let the Task Force know that Region 8 is reaching out to the states and has asked to come and talk to us about nutrients. They have requested doing that at the next NPSTF meeting. They are very interested in being able to show nutrient results/reductions from 319 projects. They are also planning to host a nutrient workshop this fall.

**DATE FOR NEXT MEETING** April 13, 2009 at 10:00 am.

***This date has been changed to April 20, 2009***

**ADJOURN** Chairman Rick Vallery adjourned the meeting at 2:21 pm.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Capitol Lake Visitor Center  
Pierre, South Dakota  
September 15, 2009

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** Rick Vallery made one change on the agenda and moved the Big Sioux Bank Stabilization presentation up on the agenda. Motion to approve the agenda by Mary Duvall, Farm Bureau; second by Jay Gilbertson, East Dakota Water Development District. Motion carried.

**APPROVAL OF MINUTES:** Motion by Jim Feeney, SD DENR, to approve the minutes of the December 9, 2008, meeting; second by Jay Gilbertson, East Dakota Water Development District. Motion carried.

**USE OF 319 FUNDS IN SOUTH DAKOTA:** Pete Jahraus, SD DENR, asked everyone if they had picked up the handouts on the use of the 319 funds. This information was requested by a task force member so the task force could take a look at how we prioritize the use of the 319 funds.

**INFORMATION & EDUCATION PROJECT:** Ann Lewis, SD Discovery Center, discussed the purpose of I&E program. In 2000 there was an I&E plan established by the Task Force and in 2004 the Discovery Center took over day to day management. In 2007 the continuation project was authorized. Information outreach in South Dakota refers to products, programs, or methods that reach primarily the adult audience. Examples are signage, workshops, websites, and volunteer monitoring. Education refers to the projects, programs, or methods that primarily reach kindergarten through High School. Examples are Earth Day, water festivals, and activities into the classrooms. They have funded 14 projects with mini grants.

**PROJECT IMPLEMENTATION GUIDELINES:** Pete Jahraus, SD DENR, put together a draft of the implementation guidelines. The draft goes through some basic types of things that may happen throughout a project. This information would be updated periodically so when a coordinator or project officer had an issue come up, they could deal with it more efficiently.

**MIS REPORT:** Jim Feeney, SD DENR, went over the MIS handout. He explained this was an account of all the open section 319 grants. He called our attention to the columns of the amount obligated, which is the 319 award, and the amount drawn and the amount remaining, giving an idea on how the projects are drawing their funds. There are six federal grants open between DENR and EPA. The staff and support funds are \$680,000 annually.

**EPA PRIORITIES:** Pete Jahraus, SD DENR, informed the task force that EPA had come out with National Priorities for Water. Region 8, which is our region, also has some priorities they are looking at for federal fiscal year 2010. Discussion was held on some of the national priorities and who they would affect.

**BIG SIOUX BANK STABILIZATION:** Sol Brich, SD DENR, went over a power point presentation on the Big Sioux Bank Stabilization Project. This project started as a cooperation between East Dakota Water Development District, USDA Agriculture Research Service, and DENR. It was an investigation to see how much erosion comes from the streambanks of the Big Sioux, when it occurs, and what can be done to reduce the erosion.

**ACCESS TO ACADEMIC SUPPORT:** (use revised narrative provided by Jay) Jay Gilbertson, East Dakota Water Development District, expressed a general concern about the shrinking academic resources available on water issues from state universities. He cited, as an example, the recent decision by South Dakota State University (SDSU) to fill the position of Cooperative Extension Service Water Resource Specialist with a person specializing air quality issues. While a great resource for those interested in odor issues around large animal feeding operations, the water community has lost a key contact with the university community. He also noted the pending retirement of Dave German, SDSU Water Resources Institute, who has been one of the leading sources of lake information and research in the state. These two positions have often served as the point of contact between those interested in water resource protection and management and the academic community. He noted that if these types of positions are lost, "Where do we go in South Dakota if we want some help with a project?" Chairman Rick Vallery agreed that he and Mr. Gilbertson would go talk to the people at SDSU and start a discussion on this matter.

## **AGENCY REPORTS**

**SDDA:** The SD Association Conservation districts are getting together in Spearfish, for their annual convention September 19 - 22. On the afternoon of the 22<sup>nd</sup> of September there will be a Conservation Commission meeting. They are working on a Conservation District Supervisor Accreditation program. They plan to have three or four of sixteen modules ready to do a beta testing at the convention. This will be a computer web based, cooperative effort between SDDA and SDSU, using their existing web based training program. The goal is to certify all 350 conservation districts supervisors in the state.

**DENR:** Pete Jahrus went over a list of potential 319 applications that may be coming in for the next funding round. They include Spring Creek and Sheridan Lake segment one, Vermillion Basin segment two, Lower Big Sioux segment two, Grassland management segment three, Upper Big Sioux amendment to segment five, Conservation Reserve Enhancement Program (CREP) Central Big Sioux riparian easement activities, Information and Education segment three, Belle Fourche River amendment to segment four, and Upper Snake Creek segment three.

**NRCS:** Conservation Programs Summary for FY2009; EQIP funded 634 contracts, WHIP funded 76 contracts, WRP had 84 easements (24 perpetual and 60 30-year), GRP funded 14 easements (perpetual) and 4 rental contracts, EWP had 3 easements (perpetual).

**GF&P:** The national Conservation Reserve Enhancement Program (CREP) coordinator is finalizing some loose ends and hopefully the official agreement between Governor Rounds and

the USDA Agriculture Secretary will sign the agreement in the next few weeks. GF&P is hoping to implement the program CREP in October.

**OTHER ITEMS:** On September 30, there will be an Agriculture for a Changing Environment Tour. Representatives from the ethanol, wind energy, and bio-diesel industries will be present. SDSU representatives be presenting on research with carbon and bio-energy.

**DATE FOR NEXT MEETING:** December 15, 2009, Matthews Training Center, 9 a.m.

**ADJOURN:** Rick Vallery adjourned the meeting at 12:30 PM.



Total Cost: \$2,806,101

319 Request: \$790,800

Project Description: Ryan Smith gave an overview of the Brown County Water Quality Improvement Project. The project will target the reduction of nutrient and sediment loads in tributaries and lakes. During the next two years, project staff will install BMPs to reduce nutrient and sediment load from agricultural runoff, sedimentation to the lakes from shoreline erosion, and provide public education and information. Activities planned include installation of: animal waste management system(s), grazing management, upland habitat improvements, crop rotation/residue management, critical area plantings, alternate watering systems, riparian buffer establishment/restorations, urban BMPs to reduce sedimentation, and an information & education program. Segment 2 will add the Richmond Lake Watershed to the project area.

Developing BMPs to Minimize Water Quality Impacts of Winter Manure Spreading

Total Cost: \$268,395

319 Request: \$161,034

Project Description: Dave German gave an overview of the BMP's to Minimize Water Quality Impacts of Winter Manure Spreading. The nutrient, sediment and bacteria loss at the watershed scale will be monitored by placing flumes at the outlets of each of six small watershed areas. The continuous record of discharge and water quality samples will be used to calculate loads of suspended sediments, nutrients, and fecal coliform loads from each watershed. Different winter manure spreading practices will be compared to evaluate the risk of water quality degradation. The information gained will be used to develop management strategies that more effectively reduce nutrient, sediment, and bacteria loading to surface water and the accelerated eutrophication of lakes and streams in the state.

Lewis and Clark Watershed Implementation Project - Segment 2

Total Cost: \$1,954,446

319 Request: \$825,000

Project Description: Rocky Knippling gave an overview of the Lewis and Clark proposal. This proposal is the second segment of a locally planned multi-year (10-15 year) effort to implement best management practices (BMPs) in the Lewis and Clark Lake watershed and the Lake Andes Watershed. It will help restore water quality to meet designated beneficial uses and address TMDLs to be established for water bodies in these watersheds. In 2006 project segment I initially targeted BMPs only in the 56,000 acre Corsica Lake subwatershed. In 2007 the segment I expansion added the East River portion of the watershed with 747,000 acres. This project, segment II, will properly address and target BMP installation in the entire Lewis and Clark Lake Watershed (1.9 million acres) and will also provide technical and financial assistance to the watershed activities in the Lake Andes Watershed. The Lake Andes Watershed is 95,000 acres and is a tributary of the Missouri River and Lake Francis Case which borders the Lewis and Clark Lake Watershed

Lower James River Watershed Implementation Project - Segment 2

Total Cost: \$1,103,117

319 Request: \$465,000

Project Description: Dave Bartel provided an overview of the Lower James River Watershed Implementation Project (Segment II). This segment will target the reduction of nutrient, sediment, and bacteria loading to the James River, its tributaries and lakes within the watershed. During this proposed three year project, the James River Water Development District will implement BMPs in the watershed and provide education and information to the public. Activities planned will focus on animal waste management systems, grassland, and cropland BMPs, water quality monitoring, and completion of an information and education program.

Northeast Glacial lakes Watershed Improvement & Protection Project – Segment 2

Total Cost: \$1,259,627

319 Request: \$769,442

Project Description: Dennis Skadsen of the Day County Conservation District provided an overview of the project. The project will continue to protect and improve the water quality of northeast South Dakota glacial lakes by implementing best management practices that reduce the amount of fecal coliform bacteria, nutrients, and sediment loads entering project water bodies, and maintaining their assigned beneficial uses. This proposal is the second of several-planned implementation segments. Other lakes and reservoirs will be added to future segments as assessments are completed and needs reevaluated.

**DENR Funding Recommendations**

Belle Fourche River Watershed Management and Project Implementation Plan – Segment 4

319 Request - \$1,332,365

DENR recommendation: \$655,000

Brown County Water Quality Improvement Project – Segment 2

319 Request - \$790,800

DENR recommendation: \$450,000

Developing BMP's to Minimize Water Quality Impacts on Winter Manure Spreading

319 Request - \$161,034

DENR recommendation: No Funding

Lewis and Clarke Watershed Implementation Project – Segment 2

319 Request - \$825,000

DENR recommendation: \$635,000

Lower James River Watershed Implementation Project – Segment 2

319 Request - \$465,000  
DENR recommendation: \$390,000

Northeast Glacial Lakes Watershed Improvement & Protection Project – Segment 2

319 Request - \$769,442  
DENR recommendation: \$350,000

**NPS Task Force Recommendations**

Jay Gilbertson, EDDWD, expressed concerns about the recommendation for the Winter Manure Spreading project. He then made a motion to provide \$100,000 to initiate the program. He suggested that we take \$60,000 from the Belle Fourche River Watershed Project and \$40,000 from the Lewis & Clark Watershed Project by reducing the project management budget for both projects.

Second by Jodi Hickman.

Chairman Vallery called for discussion of the motion.

Chairman Vallery called for a Roll Call Vote.

Six voted for the motion  
Eight voted against the motion  
Motion failed

Jim Feeney, DENR moved to follow DENR funding recommendations. With the understanding that if the FFY 2009 319 award is less than anticipated the project budgets will be reduced proportional.

Second by Bob Gab, Conservation Commission.

Chairman Vallery called for discussion of the motion.

Chairman Vallery called for a vote on the motion, which was to support the DENR funding recommendations.

Motion Carried

**AGENCY REPORTS**

SDDA: Brain Scott, SDDA RC&F, gave an update on the status of the November Conservation Commission Grant Round and the Soil Conservation Award Program that was established in the 2008 Legislature. The rules for the new program were approved by the interim rules committee on December 2<sup>nd</sup>.

**DENR:** Pat Snyder, Surface Water Program. The Water Management Board canceled the rules hearing on the changes to the Water Quality Standards. The hearing has been rescheduled for the Boards meeting on March 11<sup>th</sup> and 12<sup>th</sup>. Jim Feeney, Water Resources Assistance Program, went over proposed legislation to increase fees for DENR administrative activities and to approve special appropriations and expenditure authority for water projects and programs.

Angela Ehlers made a motion that the NPS Task Force recommends to the Governor and the State Legislature that SDCL 46A-1-95 be amended to provide for the continuous appropriation of six million dollars annually for federal Clean Water Act pass-through grant funds under the Department of Environment and Natural Resources' nonpoint source program.

Second by Joan Clarke.

Motion carried.

**GF&P:** Bill Smith said they would have more to report on the status of the James River CREP at the next meeting.

**SDACD:** Angela Ehlers provided an update on her Board of Directors meeting. She also reported that they are in the process of doing an evaluation of the next steps in the review of the Conservation Delivery System.

**OTHER ITEMS:** Dr. Dennis Clarke, retired DENR senior scientist who managed the department's nonpoint source implementation program, was presented an EPA Environmental Achievement Award. The award was presented by DENR Secretary Steve Pirner on behalf of EPA. The award recognized Clarke "for his lifetime of dedication to sustained agriculture and his environmental achievements in helping to improve and protect the waters of the State of South Dakota." It recognized Clarke for his four decades of efforts that have assisted in improving water quality, focusing on better ways of livestock ranching, implementing better ways to manage wastes, and showing livestock ranchers how to make their efforts more economically viable while also protecting the environment.

**DATE FOR NEXT MEETING:** The next meeting date will be left open for now.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
September 3, 2008

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached “sign-in-sheet” for a list of those in attendance.

**AGENDA CHANGES:** Chairman Vallery announced that one item was added to the agenda: Dr. Carlson’s presentation on “Using Precision Manure Management to Improve Water Quality”.

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** The agenda was approved with the announced change.

**APPROVAL OF MINUTES:** Motion by Jay Gilbertson, East Dakota Water Development District, to approve the minutes of the December 4, 2007, meeting; seconded by Jim Feeney, DENR. Motion carried.

**LAKE HANSON/PIERRE CREEK RESTORATION:** Curt Hart, Hanson Conservation District, discussed the practices that were implemented and the importance of the lake to the community.

**KINGSBURY LAKES:** Roger Strom, Kingsbury Conservation District, presented a power point slide show and discussed grazing systems, livestock exclusion areas, tree planting, animal waste management system, water diversion, feedlot reclamation, nutrient load reduction, and funding sources.

**EVALUATING VEGETATIVE TREATMENT AREAS:** Todd Trooien, SDSU, discussed the monitoring and evaluation that has been conducted at the 5 VTA’s.

**FIRESTEEL CREEK/LAKE MITCHELL:** Dave Kringen, Davison Conservation District, presented a power point slide show on the statement of need, the diagnostic/feasibility study, recommendations from that study, TMDL establishment, implementation projects from 1998 to present, best management practices applied, Firesteel Creek Project Milestone Targets from 1998 to present, Lake Mitchell alum project, and Firesteel Creek Riparian Area Management Program.

**EVALUATING PHOSPHOROUS LOSS:** Dave German, SDSU Water Resources Institute, discussed the results of the research that was conducted and the need for additional information.

**USING PRECISION MANURE MANAGEMENT TO IMPROVE WATER QUALITY:**

Dr. Carlson, SDSU, discussed the results of the precision deep placement of manure demonstration project.

**SDDSD DEPARTMENT OF AGRICULTURE:** Brian Scott provided an update on the Department's Missouri River Riparian project.

**SD DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES:** Pete Jahraus made a presentation on the 319 project application timeline. Jim Feeney requested an amendment to the nonpoint source program management plan to add language on the eligible uses of CWSRF funds for nonpoint source purposes. Motion by Angela Eilers to amend the nonpoint source management plan as requested, seconded by Jay Gilbertson. Motion carried. Pat Snyder made a presentation on the water quality standards triennial review.

**SD DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES** requested an amendment to add the eligible uses of nonpoint source as requested, seconded by Snyder Water Quality Triennial.

**JAMES RIVER CREP:** Bill Smith reported on the current status of Game, Fish and Parks' Conservation Reserve Enhancement Program (CREP) application.

**NRCS-FARM BILL/PROGRAM UPDATE:** Cindy Steele, NRCS, provided updates on the new Farm Bill and Natural Resources Conservation Service conservation programs.

**SOUTH DAKOTA ASSOCIATION OF CONSERVATION DISTRICTS:** Angela Eihlers, SDACD, made a presentation on the forum held on August 14 to discuss the current natural resources conservation delivery system in South Dakota and the recommendations on how it could be more effective and efficient.

**DATE FOR NEXT MEETING:** The date for the next meeting was set to be either Thursday, December 4, 2008 or the alternative date of Tuesday, December 9, 2008, at the Matthew Training Center, Pierre.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
December 4, 2007

**CALL TO ORDER:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**AGENDA CHANGES:** Chairman Vallery announced two items were added to the agenda: I & E Report - Anne Lewis and the sub-committee on Water Quality Standards, discussed at the March 20, 2007, meeting - Jay Gilbertson, East Dakota Water Development District (EDWDD).

**INTRODUCTIONS/REMARKS:** Chairman Vallery asked for those in attendance to introduce themselves and state the organization they represent.

**APPROVAL OF AGENDA:** The agenda was approved with the announced changes.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts, to approve the minutes of the March 20, 2007, meeting; second by Jay Gilbertson, EDWDD. Motion carried.

**FFY 2008 AVAILABLE 319 FUNDS OVERVIEW:** James Feeny, SD Department of Environment & Natural Resources (DENR). The amount of 319 funds requested is \$4,079,694 and available funds are estimated at \$2,580,000. The estimate is based on the House and Senate budget marks for a national allocation of \$204,000,000. This exceeds last year's allocation of \$199,250,000. The federal appropriation level may not be finalized prior to the DENR and Nonpoint Task Force (NPS) recommendations being presented to the Board of Natural Water Resources at its meeting on January 3-4, 2008. Using the working amount of \$2,580,000 means requests exceed available funds by about \$1,500,000.

**NONPOINT SOURCE I & E COMMITTEE** Anne Lewis, I & E Committee. The I & E sub-committee is an important component the Task Force. Mini grant funds are available through the Task Force. The I & E Committee needs representatives from the NPS Task Force to assist with educational projects.

**WATER QUALITY STANDARDS** Jay Gilbertson, EDWDD discussed the need for the subcommittee to become active and volunteered to lead the effort.

## **319 GRANT APPLICATION PRESENTATIONS:**

### **ASSESSMENTS PROJECTS:**

#### **Upper James River Watershed Assessment**

**Total Cost: \$705,000**

**319 Request: \$405,000**

The James River Water Development District proposes to conduct a watershed assessment of the upper James River basin. The data collected will provide the foundation for development of the remaining TMDLs for the basin. These include the mainstem of the James River and its tributaries in South Dakota located north of the Beadle - Sanborn County line. According to the 2006 South Dakota Integrated Report, there are nine TMDLs in this portion of the basin. These and any impaired segments identified in the 2008 report will be assessed.

#### **Mercury TMDL Development**

**Total Cost: \$265,424**

**319 Request: \$159,254**

The South Dakota School of Mines and Technology (SDSM&T) proposes to partner with South Dakota State University (SDSU), the University of Wisconsin Platteville, and DENR to evaluate existing data and collect new data to determine the sources and processes responsible for elevated fish-tissue mercury concentrations in 303(d) listed waterbodies in South Dakota. Currently seven lakes and reservoirs in South Dakota are listed as mercury impaired. The information gained will be used to develop statewide mercury TMDL for South Dakota lakes and reservoirs during a second project segment.

## **IMPLEMENTATION PROJECTS**

#### **Lower Big Sioux River Watershed Project**

**Total Cost: \$360,634**

**319 Request: \$214,500**

The Lincoln Conservation District proposes to initiate activities to implement the total maximum daily loads (TMDLs) developed for the Big Sioux River below Sioux Falls to its confluence with the Missouri River at Sioux City. The watershed drains portions of southwest Minnesota and northwest Iowa as well as Lincoln and Union Counties in South Dakota. The TMDLs are in preparation and expected to be finalized during 2008. The three states will coordinate efforts to address TMDLs in the entire watershed during this and future project segments.

During this project segment:

- a coordinated plan to guide progress toward implementing the TMDLs will be developed, and

- the installation of best management practices (BMPs) that reduce levels of fecal coliform bacteria, nutrient and sediment loads entering the river will be initiated.

**Lower James River Watershed Implementation Project**

**Total Cost: \$103,790**

**319 Request: \$62,000**

The James River Water Development District proposes to develop and begin initiating a 10-15 year TMDL implementation strategy designed to restore the beneficial uses of the James River and waterbodies in the James River Watershed. This project segment targets impaired river segments, lakes, and streams in Aurora, Bon Homme, Davison, Hanson, Hutchinson, Jerauld, McCook, Miner, Sanborn, and Yankton counties. Lakes in the project area include Beaver Lake and Lake Carthage.

Funds provided for this grant award will be used to:

- develop a strategy to guide completion of activities selected to implement the TMDLs developed for all waterbodies in the Lower James watershed,
- install BMPs that reduce fecal coliform bacteria and sediment loads, and
- complete an outreach campaign to inform landowners, stakeholders, and area residents of the water quality issues and BMPs necessary to address the issues.

**Vermillion River Basin Watershed Project**

**Total Cost: \$360,750**

**319 Request: \$214,000**

Sponsored by the McCook Conservation District, the project is the first segment of a multi-year TMDL implementation effort to restore and protect the water quality of the Vermillion River and the lakes and streams in the Vermillion River Basin. NPS pollutants identified as the causes of water quality impairment to the river include fecal coliform bacteria and suspended solids.

This two year project segment will:

- integrate the Turkey Ridge Creek Watershed Project into the Vermillion Basin Project,
- develop a plan to guide implementation of the TMDLs established for the water bodies in the project area, and
- initiate the installation of BMPs in areas of the Vermillion Basin Watershed not currently included in 319 funded implementation projects.

**Upper Big Sioux River Watershed Project -Continuation**

**Total Cost: \$1,715,202**

**319 Request: \$761,500**

The City of Watertown proposes to continue implementing practices needed to restore and ensure the realization of all designated uses of the Upper Big Sioux River, Lake Kampeska, and

Pelican Lake. The project continues the installation of BMPs that reduce phosphorus and sediment loads entering Lake Kampeska and Pelican Lake by fifty percent. Practices scheduled for installation during this project segment were selected to decrease both nutrient and sediment loadings by fifteen percent of the total reductions needed.

**Belle Fourche River Watershed Management and PIP – Segment 3 Amendment**

**Total Cost: \$7,432,910**

**319 Request: \$730,000**

The Belle Fourche River Partnership is requesting additional funds for BMP installation. The \$1,208,800 awarded from the FFY 2006 grant allocation will be expended or under contract with producers prior to the next funding round. BMPs included in the workplan target irrigation return flows, riparian areas, and grazing management. The BMPs installed using the prior grant award and additional funds requested will bring the TSS reduction achieved to 21 percent of the TMDL goal ahead of schedule.

**Firesteel Creek/Lake Mitchell Watershed Project – Segment 2 Amendment**

**Total Cost: \$954,945**

**319 Request: \$300,600**

The Davison Conservation District is requesting additional funding for segment 2 of the Firesteel Creek/Lake Mitchell Watershed Project. The project is a TMDL implementation strategy designed to restore water quality in Firesteel Creek, Lake Mitchell, Wilmarth Lake, and Twin Lakes to meet the designated beneficial uses of the waterbodies. The additional funds will be used to initiate a riparian area land-use agreement/easement program that complements the \$250,000 grant award approved during FFY 2007 to install animal feeding, grazing management, and wetland restoration BMPs.

**BMPs for Winter Manure Spreading**

**Total Cost: \$260,163**

**319 Request: \$155,894**

A partnership of commodity groups and resource management agencies and organizations lead by SDSU proposes to:

- evaluate the environmental risk of spreading manure on frozen ground, and
- develop BMPs that minimize impacts of winter spreading on water quality.

Assessing the relationship that exists between timing and placement of winter spread manure, water quality and field runoff during the spring and summer at the watershed scale will provide soil scientists and resource managers a greater understanding of the risk associated with winter spreading. The information gained, will allow development of management strategies that more effectively reduce nutrient, sediment, and bacteria loading of surface water and eutrophication of lakes and streams.

Nutrient, sediment and bacteria loss at the watershed scale will be monitored by placing flumes at the outlets of six small watershed areas. The continuous record of discharge and water quality samples will be used to calculate loads of suspended sediment, nutrients, and fecal coliform bacteria from each watershed. Different winter manure spreading practices will then be compared to evaluate risk to water quality.

### **303(d) Watershed Planning and Assistance Project Continuation**

**Total Cost: \$9,683,200**

**319 Request: \$1,077,200**

Under the leadership of the SD Association of Conservation Districts, the project will continue to provide planning, design and agricultural BMP installation assistance in selected 303(d) watersheds in South Dakota. The project will also continue to provide information to local landowners, youth, communities, agency personnel, consultants and the general public to bring about a better understanding of use, function and technical design of the practices and related water quality benefits.

During this two-year project segment, staff will be reduced from nine to four - two resource management specialists and two agronomists. Each staff member will be trained to prepare riparian easement plans and be a NRCS certified nutrient management planner. The agronomists will work with feedlot operators to develop and implement nutrient management plans. The resource management specialists will work with governmental and tribal entities to build partnerships for implementation projects for the Missouri River corridor and assist watersheds with BMP planning to include riparian, sediment, and animal nutrient management related issues.

**RECOMMENDATIONS FOR FUNDING:** Dr. Dennis Clarke, DENR stated that the Nonpoint Source Program annual report is due by January 1<sup>st</sup> each year. A copy of the report is available on the DENR website. Dr. Clarke noted that the department's funding recommendations again reflect the funding approach initiated during the fall 2004 funding round. The criteria are:

- 319 Funds are going to be awarded for projects that develop or implement a TMDL
- Implementation project activities funded will be restricted to:
  1. ANM's – design and construction
  2. Riparian buffer/ and related practices where EQIP/ or continuing with CRP is not an option
  3. Shoreline/stream bank stabilization
  4. Salaries, travel and project administration
  5. Information and education/outreach activities
  6. Monitoring and evaluation

- Funding for everything else:
  1. Soil and Water Conservation Fund
  2. State Consolidated Water Facilities Construction Program
  3. EQIP and other NRCS/FSA programs
  4. USFWS
  5. GFP
  6. local funds and private organizations such as Ducks Unlimited
- ANMs will require a 25% minimum contribution by the landowner/operator

If 319 and EQIP, either alone or combined with other grant funds exceed 75 percent, DENR will reduce its level of participation to reduce cost share to that level.

Dr. Clarke noted that the cost share allowed for hoop and monoslope barn structures will be based on a cost of \$75 per animal unit with a maximum of \$150,000 plus design costs. In the event that the structure is constructed to address a required relocation, an additional amount to bring the cost share to the level required to construct a traditional facility at the new location.

DENR Funding Recommendations

Mercury TMDL Development - South Dakota School of Mines and Technology

319 Request - \$159,254  
**DENR recommendation: 319 Funds - \$60,000**

Upper James River – James River Water Development District

319 Request - \$405,000  
**DENR recommendation: 319 Funds - \$400,000**

BMPs for Winter Manure Spreading – South Dakota State University

319 Request - \$155,894  
**DENR recommendation: 319 Funds - No Funding**

Lower James River Watershed Project – Segment 1 – James River Water Development District

319 Request - \$62,000  
**DENR recommendation: 319 Funds - \$60,000**

Lower Big Sioux Watershed Project – Segment 1 – Lincoln Conservation District

319 Request - \$214,500  
**DENR recommendation: 319 Funds - \$167,250**

Vermillion Basin Watershed Project – McCook Conservation District

319 Request - \$214,000  
**DENR recommendation: 319 Funds - \$117,250**

Watershed Planning & Assistance Project (continuation) – South Dakota Association of Conservation Districts

319 Request - \$1,077,200

**DENR recommendation: 319 Funds - \$515,500**

Upper Big Sioux River Watershed – (continuation) – City of Watertown

319 Request - \$761,500

**DENR recommendation: 319 Funds - \$500,000**

Firesteel Creek/Lake Mitchell – Segment 2 Amendment – Davison Conservation District

319 Request - \$300,600

**DENR recommendation: 319 Funds - \$150,000**

Belle Fourche River Watershed Management & Project Implementation Plan – Segment 3 Amendment – Belle Fourche River Partnership

319 Request - \$730,000

**DENR recommendation: 319 Funds - \$610,000**

NPS Task Force Recommendations

Dave Clay, SDSU College of Ag, expressed concerns about the recommendation for the Winter Manure Spreading project. He stated he would like the group to consider giving \$50,000 to initiate the program.

Roberta Rasmussen, SD Pork Producers, expressed similar concerns.

Jay Gilbertson, EDDWD moved to follow DENR funding recommendations. Second by Bill Smith, Game Fish and Parks (GFP).

Chairman Vallery called for discussion of the motion.

Robert Rasmussen, SD Pork Producers, offered a substitute motion:

Award \$50,000 to the BMPs Winter Manure Spreading Project and to take \$10,000 from each of the implementation projects: \$10,000 from the Belle Fourche project; \$10,000 from the Firesteel Creek project; \$10,000 from the Upper Big Sioux project; \$10,000 from the Watershed Planning project, and \$10,000 from the Lower Big Sioux project.

Mary Duvall, SD Farm Bureau seconded the substitute motion.

Chairman Vallery called for discussion on the substitute motion,

Angela Ehlers SD Association of Conservation Districts, stated that approval of the motion will require that staff be cut out.

Mike Kuck, NRCS, requested that Dr. Clarke read the priorities of the 319 Program.

Dennis Clarke reviewed the funding criteria presented previously.

George Honeywell, Lower Brule Sioux Tribe, stated that if the Task Force is going to take money from each of these programs, it should be done proportionate to how much they are receiving of the total, instead of taking \$10,000 from one that receives a lot of money and \$10,000 that receives less money.

Jay Gibertson moved to amend Ms. Rasmussen's substitute motion to proportionally deduct funding by using a percentage of the total to make up that \$50,000.

Mary Duvall, SD Farm Bureau, seconded the motion to amend.

Jay Gilbertson stated that if the task force thinks it's worth funding, they should recommend funding it, and the task force should not take a percentage off all of the projects.

Chairman Vallery requested a vote on the motion to amend the substitute motion.

The following voted in favor of the motion:

Karen Boyer – Dept. of Ag.  
Mary Duvall – SD Farm Bureau  
Roberta Rasmussen – SD Pork Producers  
David Clay – SDSU College of Ag  
George Honeywell – Lower Brule Sioux Tribe

The following voted against the motion:

Joan Bortnem – SD DOT  
Joyce Williamson – US Geological Survey  
Mike Kuck – NRCS  
Bill Smith – SD GFP  
Angela Ehlers – SD Assoc. of Conservation Districts  
Jay Gilbertson – EDWDD  
Jim Feeney – DENR

The motion to amend was defeated.

Chairman Vallery called for a vote on the substitute motion, which was to take \$10,000 from the five projects.

Roberta Rasmussen withdrew the substitute motion.

Chairman Vallery called for a vote on the original motion, which was to support the DENR funding recommendations.

The following voted in favor of the motion:

Joan Bortnem – SD DOT  
Joyce Williamson – US Geological Survey  
Mike Kuck – NRCS  
Bill Smith – SD GFP  
Angela Ehlers – SD Assoc. of Conservation Districts  
Jay Gilbertson – EDWDD  
Jim Feeney – DENR

The following voted against the motion:

Karen Boyer – Dept. of Ag.  
Mary Duvall – SD Farm Bureau  
Roberta Rasmussen – SD Pork Producers  
David Clay – SDSU College of Ag  
George Honeywell – Lower Brule Sioux Tribe

The motion carried.

**NPS MANAGEMENT PLAN:** Dennis Clarke announced that the revised SD NPS Management Plan is available on the DENR website.

### **AGENCY REPORTS**

**TMDL Assessment Update:** Gene Stueven, DENR, gave an update on the status of TMDL assessments.

**Soil and Water Conservation Fund:** No report.

**Farm Program Update – EQIP/CSP:** Mike Kuck, NRCS, gave a presentation on the FY 2008 Farm Bill Program – EQIP/CSP.

**Soil and Water Conservation:** No report. Pete Jahraus stated he will provide a report at the next meeting.

**OTHER ITEMS:** Dr. Dennis Clarke was recognized for his service to the task force. He retires January 2008.

Jay Gilbertson, inquired as to project reports that might be given at the next meeting.

Dennis Clarke noted that the Kingsbury Lakes project is basically completed. Final reports should be done for Firesteel Creek, the Brown County project, and the Upper Cheyenne River TMDL.

Angela Ehlers suggested that a report be done on the Lewis and Clark watershed project.

Jim Feeney suggested looking into having a project report and agency report meeting.

Chairman Vallery, stated that the task force will want a report from the water quality subcommittee at the spring meeting.

**DATE FOR NEXT MEETING:** The next meeting will be held April 3, 2008, at 10:00 AM in the Matthew Training Center, Pierre, SD.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
March 20, 2007

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**ANNOUNCEMENTS:** Chairman Vallery announced that the School/Bullhead Project will replace Wall Lake Project report on the agenda.

**APPROVAL OF AGENDA:** The agenda was approved with the announced changes.

**APPROVAL OF MINUTES:** Motion by Roberta Rasmussen, SD Pork Council, to approve the minutes of the November 8, 2006, meeting. Second by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**LEGISLATIVE UPDATE:** Dave Templeton, SD Dept. of Environment and Natural Resources (DENR), reported on the department's three agency bills and the Governor's Omnibus bill.

Governor Rounds has signed HB 1245, the annual Governor's omnibus water and natural resources project funding bill. The bill appropriates more than \$12 million for water and waste projects. Because HB 1245 contains an emergency clause, it went into effect immediately and makes funds available for the upcoming construction season. The Lower Cheyenne TMDL assessment project is using some of this money. DENR's other bills were SB 7 (Air/Ethanol Fees), an ACT to establish certain fees to provide for air quality permitting, inspecting, and compliance services to ethanol production plants; SB 8 (Natural Gas Regulation), an Act to regulate natural gas produced with water unless the gas is used for personal purposes; and SB 9 (CAFO Permitting), an Act to require water pollution control permits for certain concentrated animal feeding operations. All of the department bills have been signed by the Governor, and the legislation will go into effect on July 1, 2007.

Pete Jahraus, SD Dept. of Agriculture (DOA), reported his department had two bills requesting spending authority for the Conservation Commission Grant Program. The request for \$600,000 in authority was approved. The request for \$175,000 to continue the suppression of the mountain pine beetle in Custer State Park was also approved. The State Fair received funding.

Angel Ehlers, South Dakota Association of Conservation Districts (SDACD), reported that the Conservation Funding Bill is has not been signed by the Governor. He has until Wednesday to approve or veto. The association also submitted a resolution to update the Coordinated Plan

for Conservation. Effective July 1<sup>st</sup>, the Conservation Fund will be the Coordinated Plan for Natural Resources.

### **319 PROJECT REPORTS**

The main emphasis of the meeting was to hear reports from selected projects awarded Clean Water Act Section 319 Grants. Reports were given by coordinators or representatives from the sponsor's board/agency for the following projects:

- Lake Faulkton
- Little Minnesota River/Big Stone Lake Watershed
- School/Bullhead Assessment Projects
- Manure Placement Project.

Copies of the PowerPoint presentations are available by visiting:

<http://www.state.sd.us/denr/DFTA/WatershedProtection/GRTS.htm>

### **AGENCY REPORTS:**

CAFO DESIGN ASSISTANCE UPDATE: Pete Jahraus, DOA, reported that only two producers remain to request payment. Otherwise the program is complete. Currently, 125 producers, which include 17 auction barns, have been provided engineering design funds. For more information on numbers and cost, he may be contacted at 605-773-3375.

South Dakota Coordinated Plan for Natural Resource Conservation: Pete stated that the name of the Coordinated Soil and Water Conservation Plan has been changed to the SD Coordinated Plan for Natural Resource Conservation. He distributed a handout. He announced that there are now more opportunities to apply or receive funding as the plan now has seven goals instead of the previous three. He also announced that the rules for grant program have been updated.

Visit: <http://legis.state.sd.us/rules/DisplayRule.aspx?Rule=12:03:05&Type=All>

Conservation Commission Cost Share Docket: Pete distributed the 2007 Conservation Commission Approved Practices Cost docket. Some of the changes from the 2006 docket include: (1) unit costs have been updated, (2) practices such as monoslope and hoop barns have been added, and (3) a requirement of at least 25% cash from the producer was added. For more information, contact Pete, Brian Scott, or Pam Bergstrom at the number listed previously. Pete also distributed a handout listing the State Conservation Commission main priorities for 2007 and announced that April 1, 2007, is the deadline to submit application for consideration at the for May commission meeting.

AUCTION MARKET AWMS PROGRAM: Jeremy Schelhaas, DENR, presented a summary of the assistance awards made to livestock auction markets.

NATIONAL LAKES ASSESSMENT: Gene Stueven, DENR, distributed handouts showing the lakes to be sampled this year for the United States Environment Protection Agency's National Lakes Survey. Lakes on tribal land will be sampled by a private contractor. EPA will be sampling 5 different types of water bodies on a rotating basis. Next year EPA will sample large rivers. Wadeable streams, estuaries and wetlands are the other three types of water

bodies to be sampled in the up coming years. These monitoring efforts are being conducted in every state. Criteria and methods are being set by the EPA.

**TMDL:** Gene Stueven presented an update on how a TMDL report is handled by our office and EPA. A report of the number of TMDLs in different stages of completion was also provided.

**NRCS - FARM PROGRAM UPDATE-EQIP/CSP:** Mike Kuck, NRCS, distributed a handout of the Environmental Quality Incentives Program (EQIP) funds awarded for 2007. He announced that South Dakota was \$16 million but his office has been notified that some of the funds will be required to be reverted. The amount has received by the state office at this time. He also announced that there will be no CSP or CRP sign-up during 2007 and 2008 and that NRCS is proposing combining EQIP and several related cost sharing programs into one program. For more information about the programs and the Farm Bill go to <http://www.sd.nrcs.usda.gov/>.

**OPEN DISCUSSION – ROLE OF THE TASK FORCE:** Dennis Clarke, DENR, distributed a handout listing the NPS Task Force Duties/Responsibilities as shown on the DENR website, <http://www.state.sd.us/denrDFTA/WatershedProtection/npstf.htm>. Following discussion, a motion was made to establish a sub-committee to review and better understand the process by which water quality standards are established and changed. Motion carried. Chairman Vallery asked volunteers from the NPS Task Force members for the sub-committee. The committee is to call Dennis Clarke at 605-773-5623 to schedule meetings.

**ELECTION OF OFFICERS:** Angela Ehlers nominated Rick Vallery for Chairman. Mike Williams nominated Jay Gilbertson for chairman. Roberta Rasmussen moved nominations cease. Jay Gilbertson seconded. Election was held by secret ballot. Rick Vallery was elected as NPS Task Force Chairman. Roberta Rasmussen nominated Jay Gilbertson for Vice-Chairman. Jim Feeney seconded. Angela Ehlers made a motion to close nominations for Vice-Chairman. Motion carried. Jay Gilbertson was elected as Vice-Chairman.

**OTHER ITEMS:**

\* Lois Docken was recognized for her service to the task force.

**DATE FOR NEXT MEETING:** The next meeting will be held November 13, 2006, 10 AM at the Matthew Training Center, Pierre, SD. With the main item of business being the review of Section 319 Grant applications for FFY 2008 funds.

**ADJOURN:** Chairman Vallery adjourned the meeting.

## NON POINT SOURCE TASK FORCE

## ATTENDANCE SHEET

DATE: 3-20-07LOCATION: Pierre, SD

NAME (PLEASE PRINT)	AGENCY	ADDRESS	PHONE NUMBERS; E-MAIL ADDRESS
Lois Docken	DENR	523 E Capitol Pierre, SD	773-4254 Lois.Docken@state.sd.us
Jay Gilbertson	East Dakota	Brookings	edurdd@brookings.net
Roberta Rosmus	S.D.P.P.C.	305 N. Elmwood St. Viborg SD	
Mike Jensen	Roberts Cons. Dist	PO Box 128 Sisseton, SD	mike.jensen@sd.nacdn.net
LEON L. PALMER	Superior ROBERTS Co. Cons. Dist	412 9th Ave E. Sisseton, S.D.	
Dwane Nielsen	CPWDD	118 E 2nd St. Miller, SD 57762	605-853-2410 x3 dwane.nielsen@sd.nacdn.net
Lindy Cosgrove	EPA - Crow Creek Tribe	Box 380 Ft Thompson 57339	245-2736
Duane Mungler	SDACD	Custer	
DAVE CLAY	SDSU	Brookings	
Back Valley	SO Wood Inc	Pierre	
Angela Ehlers	SDACD	Murdo	
Gene Struven		Pierre	
Dave Temple	;		

NON POINT SOURCE TASK FORCE

ATTENDANCE SHEET

DATE: 3/20/07

LOCATION: \_\_\_\_\_

NAME (PLEASE PRINT)	AGENCY	ADDRESS	PHONE NUMBERS; E-MAIL ADDRESS
Joyce W. Williams	USGS	1608 Mt. View RC SD	Jewillia@usgs.gov 605 394-3219
Scott Jones	SDCA	PO Box 206 Midland	843-2841 sjones@gwate.net
George Honeywell	LBST	187 OYATE CIRCLE LOWER BEULE	280-0603 ghoneywell@LBST-SD
Robert R. Geo	Comm. Comm	Excelsior	284.2262
Paul Skiles	SDCGA	5109 S. Crossing Place Sioux Falls SD 57108	605-334-0100
James Feeney	DENR		
Pete Johnson	SD Dept. of Ag.	Pierre	773-3623
Mike Williams	FWLA	WATERTOWN	882-5250 mikewill@fwl.net
Dan Hoyer	RESOUR	Rapid City	daniel.hoyer@resour
Jerry Myers	SDLSA	Exletton	jmyers@detel.com
Mike Kuck	NRES	200 4th St SW Huron, SD	605-352-1206
Mark Stahn	SDLS	South Shore	
Don [unclear]	SDLIST	South Shore	605-756-4402

NON POINT SOURCE TASK FORCE

ATTENDANCE SHEET

DATE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

NAME (PLEASE PRINT)	AGENCY	ADDRESS	PHONE NUMBERS; E-MAIL ADDRESS
Dennis C. Clarke	DENR		
Jeremy Schelhaas	DENR		

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**  
Matthew Training Center  
Pierre, South Dakota  
November 8, 2006

**OPENING AND INTRODUCTIONS:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

Chairman Vallery reviewed the 319 grant application, review and recommendation process. He announced that each application presentation would be allocated 10 minutes for a brief, explanatory presentation and that after lunch, there would be a short, follow-up question and answer session for each project.

**APPROVAL OF AGENDA:** The agenda was approved.

**APPROVAL OF MINUTES:** Roberta Rasmussen, SD Pork Council, moved to approve the minutes of the April 6, 2006, meeting. Second by Robert Gab, SD Conservation Commission. Motion carried.

**AVAILABLE FUNDS OVERVIEW:** Jim Feeney, SD Dept. of Environment and Natural Resources (DENR), distributed a handout showing that South Dakota will have an estimated \$2,587,000 to pass through to local project sponsors from the FFY 2007 319 allocations. He stressed that the allocation reflects the US House level, and that an additional cut by Congress is possible. The funding requests submitted total approximately \$2.8 million. We are \$233,000 short of being able fund to them as requested. All of the FFY 2006 money has been obligated. DENR and the Task Force will present their recommendations to the Board of Water and Natural Resources (BWNR) in January 2007. BWNR's recommendations will be forwarded to EPA for final funding decisions.

**RECOMMENDATIONS FOR FUNDING**

The department's recommendations reflect the funding approach initiated during the fall 2004 funding round with an update to cover the animal nutrient management (ANM) aspects associated with hoop and monoslope barns constructed for AFOs:

- 319 Funds will be awarded for projects that develop or implement a TMDL.
- Implementation project activities funded will be restricted to:
  1. Animal Nutrient Management Systems (ANMS) – design and construction,
  2. Riparian buffers/and related practices where EQIP is not an option,
  3. Shoreline/stream bank stabilization,
  4. Salaries, travel and project administration,
  5. Information and education/outreach activities, and
  6. Monitoring and evaluation.

- Funding for the construction of other BMPs is to come from other sources:
  1. Soil and Water Conservation Fund,
  2. EQIP and other NRCS/FSA Programs,
  3. USFWS, and
  4. Local funds and private organizations such as Ducks Unlimited.
- ANMS will require a 25% minimum contribution by the owner/operator.
- Cost share allowed for hoop and monoslope barn structures will be based on a cost of \$75/Animal Unit with a maximum of \$150,000 plus design. In the event that the structure is constructed to address a required relocation, an additional amount to bring the cost share to the level of that required to construct a conventional system at the new site may be allowed as determined on a case by case basis.

While DENR used the guidelines as the basis to develop the funding recommendations that will be presented, the department continues to recognize that there are projects such as the Belle Fourche River Project that do not fit what is considered the “standard” TMDL/watershed implementation project mold. Reaching the Belle Fourche River TMDL is related to practices that improve water management to reduce irrigation return flows rather than reducing fecal, nutrient, and sediment loading from the watershed using the usual suite of practices.

None of the projects submitted this year fall outside the norm. The department’s recommendations are made with the aforementioned restrictions and additional requirements regarding the use of 319 funds as outlined. In addition, the department is aware that some cost estimates included in the budgets will need to be revisited as the Project Implementation Plans are finalized. An example is the cost of AWMS design and nutrient management plan development. Both have increased. A better estimate of cost will be available after the first of December.

**DENR 319 Grant Recommendations**

**SD NPS I & E Project – Continuation**

**SD Discovery Center and Aquarium**

319 Request - \$207,155    319 Funds Recommendation- \$200,000

Revise the application to be to move funds identified in Objective 2, Products 3-6 and 8 and Objective 3, Product 12 to the competitive minigrant program (Task 2). The change will allow the steering committee greater flexibility in addressing unforeseen needs that arise during the next three years and still allow the groups identified to fund the activities that were named in the proposal through the minigrant process.

**Grassland Management & Planning Project – Cont.      SD Grassland Coalition**

319 Request - \$416,688      319 Funds Recommendation - \$400,000

The riparian demonstration sites (Product 4) are of some concern. First the sites should not duplicate previous activities completed by the East River Riparian and Bachelor Creek Projects. Second, consideration must be given to installing one of the sites west river, possibly in the Belle Fourche Project area. The department recommends adding activities to quantify load reductions gained by improving range condition. The department is open to discussion regarding additional funding needs to quantify load reductions. Discussion has been initiated with SDSU in this regard.

**Lower Cheyenne River TMDL Project      West River Water Development District**

319 Request - \$540,000      319 Funds Recommendation - \$540,000

Full funding as requested. Because of the large amount of state and federal funds involved.

**NE Glacial Lakes Watershed Improvement & Protection Project      Day Cons. Dist.**

319 Request - \$389,337      319 Funds Recommendation - \$390,000

319 funding is restricted to coordination, travel and project administration activities; ANMs; riparian buffers; and shoreline/stream bank stabilization in listed waterbody subwatersheds; monitoring and evaluation; and I&E. The Lakes are Cool activity is to be deleted with the recommendation that funding for the activity be requested from the NPS I & E Project minigrant program. Funds budgeted for Lakes are Cool and the increased award over the request are to be used to increase the budget for Administration/Technical Support which is to be used for subagreements with the Roberts and Marshall Conservation Districts for practice “sales” related expenses.

**Firesteel Creek/Lake Mitchell Watershed Proj.– Cont.      Davison Cons. Dist.**

319 Request - \$283,110      319 Funds Recommendation - \$250,000

319 funding is restricted to coordination, travel and project administration activities; ANMs; riparian buffers; shoreline/stream bank stabilization; monitoring and evaluation; and I&E. Funds allocated for riparian management (Product 3) are to be used for livestock exclusion and alternative water source related practices with funding for the lease agreements to come from sources other than 319.

**Lake Poinsett Watershed Implementation Project – Cont.      Hamlin Cons. Dist.**

319 Request - \$457,695      319 Funds Recommendation - \$435,000

319 funding is restricted to coordination, travel and project administration activities; ANMs; riparian buffers; shoreline/stream bank stabilization, monitoring and evaluation; and I&E.

**Lewis and Clark Watershed Implementation Project – Seg. 2      Randall RC & D**

319 Request - \$526,050      319 Funds Recommendation - \$372,000

319 funding is restricted to coordination, travel and project administration activities; ANMs; riparian buffers; shoreline/stream bank stabilization monitoring and evaluation; and I&E. DENR staff will assist the sponsor with making revisions necessary to accommodate the reduced award. The recommendation is based on the projected amount of FFY 2007 funds that will be available and the funds that remain from the initial implementation grant awarded during last spring. (\$300,000 in FFY 2006 funding). As additional funds become available from anticipated reversions, the total award will be revised.

Dave Clay, SDSU, moved to accept staff/DENR funding recommendations. Seconded by Angela Ehlers, SD Conservation Districts. Motion carried. Non-point Source Task Force recommendations will go to the Board of Water and Natural Resources in January 2007.

**CENTRAL BIG SIOUX EASEMENT PROGRAM:** Pat Anderson, Northern Prairies Land Trust, gave a presentation explaining the Central Big Sioux Easement Program. The goal is to assist land owners in preserving and improving water quality. More information can be found at: <http://www.northernprairies.org/about.htm> or inquiring at the Trust's main office in Sioux Falls.

**CENTRAL BIG SIOUX SURVEY:** Jay Gilbertson, East Dakota Water Development District (EDWDD,) presented the results of a telephone survey conducted to determine what residents living along the river thought were the pollution sources and how to solve the problems. The survey included residents that were producers and others that lived in the area.

**WATER QUALITY STANDARDS:** Jeanne Goodman, DENR, reported the Water Management Board reviews SD Surface Water Quality Standards every three years. Any proposed changes must be completed according to the process in state codified law 1-26 which is the legal procedures act. Since water quality standards are administrative rules of South Dakota, the public must be notified of proposed changes and the time and location of a hearing by the Board of Water Management to consider the changes. The public notice must be posted statewide in newspapers for 45 days. A letter announcing the hearing also is sent to a list of interested parties. Following the hearing, any changes adopted by the board are considered by the Legislative Rules Review Committee and filed with the Secretary of State. That is the state process. Federal law also requires that

water quality standards changes be reviewed and approved by EPA. March 2005 was the last time South Dakota water quality rules were updated. The next triennial review will be initiated in 2007 with completion by March 2008.

**AGENCY REPORTS:**

**TMDL ASSESSMENTS UPDATE:** Gene Stueven, DENR, gave an update on the TMDLs to be completed by 2011.

**CAFO/AUCTION MARKET ASSISTANCE UPDATE:** Pete Jahrus, SD Department of Agriculture, reported the of CAFOs engineering design project is coming to a close after 3 years. A total of 128 design grants have been awarded, and 122 designs are completed. Nineteen of the designs were for livestock auction markets. As of October 31, 2006, more than \$1 million in cost share-funds have been provided for the designs with an overall 50% match provided by producers.

Jeremy Schelhaas, DENR, presented an update on the livestock auction markets that have requested funding or completed projects. All of the \$2.5 million authorized has been allocated.

**OTHER ITEMS:** Dennis Clarke announced a ND/SD Project Coordinators' Workshop will be held February 12 and 13, 2007, at the Ramada Inn and Convention Center in Aberdeen, SD. A notice will be mailed out the first week of December with the agenda and registration information. It will also be posted on DENR's website. A block of rooms have been set aside at the Ramada Inn until February 1, 2007, at \$45 plus tax per person per night.

**DATE FOR NEXT MEETING:** March 20, 2007, 10:00 AM at the Matthew Training Center, Pierre, SD. Chairman Vallery announced that election of a new chairperson will be on the March agenda. Rick Vallery and Jay Gilbertson will represent the NPS Task Force at the Board meeting in January 2007 over the RDTN.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**  
Matthew Training Center  
Pierre, South Dakota  
April 6, 2006

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**ANNOUNCEMENTS:** Chairman Vallery announced changes to the proposed agenda. EPA 319 Project Officer for South Dakota report will be moved to 1 PM and add DENR funding round dates to the Agency Reports.

**APPROVAL OF AGENDA:** The agenda was approved with the announced changes.

**APPROVAL OF MINUTES:** Motion by Roberta Rasmussen, SD Pork Council, to approve the minutes of the November 8, 2005, meeting. Second by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

### **319 PROJECT REPORTS**

The main emphasis of the Nonpoint Source (NPS) Task Force meeting was to receive reports from projects awarded Clean Water Act Section 319 Grants. Reports were given by coordinators or representatives from the sponsor's board/agency for the following projects:

- Lake Herman/Madison/Brant Watershed Project (Lake County Conservation District),
- Bachelor Creek Hydrologic Unit Project (Moody County Conservation District),
- Belle Fourche River Watershed Project (Belle Fourche River Partnership), and
- Evaluating Vegetative Treatment Areas as an Alternative for Manure Management Project (SDSU).

A copy of the PowerPoint presentation of each of the reports is available at:  
<http://www.state.sd.us/denr/DFTA/Watershed Protection/GRTS.htm>.

**EPA 319 Project Officer for South Dakota:** The Task Force heard comments from Steve Bubnick, EPA Region VIII Watershed Program Officer for South Dakota, regarding the NPS Program in general and his evaluation of South Dakota's program. Mr. Bubnick was impressed with the overall program, the BMPs observed during his tour in northeast South Dakota, and the degree to which partnerships are used to fund and implement project workplans. He also gave the South Dakota program high marks for the way it completes, administers, and implements Total Maximum Daily Loads (TMDLs) in clusters.

**GFP Cost Share Programs:** Bill Smith, GF&P, gave a PowerPoint presentation on Cost Share Programs For Wetland and Grassland Habitat. Producers interested in habitat projects should

contact their local GFP Office, Wildlife Conservation Officer or visit the SD Department of Game, Fish, and Parks website at:

[www.sdgfp.info/Wildlife/privatelands/PrivatelandsIndex.htm](http://www.sdgfp.info/Wildlife/privatelands/PrivatelandsIndex.htm).

### **AGENCY REPORTS:**

Integrated Report: Paul Lorenzen, Department of Environment and Natural Resources (DENR), reported that the Integrated Report met the 30 day public notice and public comment period requirement during February. DENR responded to all comments and sent the Integrated Report to EPA for final approval before the April 1<sup>st</sup> deadline. The report can be found at: [www.state.sd.us/denr/Documents/06IRFinal.pdf](http://www.state.sd.us/denr/Documents/06IRFinal.pdf).

Conservation Commission Cost Share Docket: Brian Scott, Dept. of Agriculture (DOA), distributed a handout which lists the 2006 Conservation Commission Approved Practices Cost docket. For more information, contact a local conservation office

CAFO DESIGN ASSISTANCE UPDATE: Brian Scott, DOA, reported that currently there are 126 producers approved for engineering design funds. The number is an increase of three from the November report. Twenty of the total are livestock auction barns. There are three producers on the waiting list. One hundred thirteen designs, 10 more since the last report, have been completed. Total dollars expended to date equals \$997,618 (+\$86,303). Producer match is running close to 50% so is essentially equal to the grant funds expended. All available funds have been obligated. All producers that have yet to draw funds have hired engineers.

AUCTION MARKET AWMS PROGRAM: Jeremy Schelhaas, DENR, reported that \$400,000 has been expended out with \$1.1 million still available for engineering oversight and construction of barns. He distributed a summary of the program's assistance awards to date.

## Auction Market AWMS Water Quality Grant Summary

**Total Amount of Grant:** \$2,500,000  
**Total Grant Allocated:** \$1,389,984  
**Amount of Grant Unallocated:** \$1,110,016  
**Grant Amount Spent:** \$369,686

Auction Market With DOA Designs	Date P and S		DENR Agreement		Sale Barn Permitted	Total Project Cost	Grant Amount	
	Submitted	Approved	Start	End			Allocated	Spent
Aberdeen Livestock Sales	9/29/2005	2/3/2006	1/30/2006	7/31/2006		\$211,500	\$158,625.00	
Bales Livestock	1/24/2006					\$0		
Belle Fouche Livestock Exchange Inc						\$0	\$0.00	
Burke						\$0	\$0.00	
Fiath						\$0	\$0.00	
Ft. Pierre Livestock Auction Inc.	8/25/2005		11/15/2005	7/31/2006		\$216,670	\$162,500.00	
Herreid Livestock Market						\$66,000		
Highmore Cattle Auction, LLC	Oct-04	11/23/2004	4/15/2005	6/30/2006	12/12/05	\$101,998	\$76,498.84	\$76,498.84
Hub City Livestock						\$61,500		
Livestock Sales/Watertown (North Barn)						\$0	\$0.00	
Magness Livestock Market	7/7/2005	8/16/2005	10/27/2005	7/31/2006		\$165,100	\$123,825.00	\$8,547.17
Miller Livestock Inc						\$0	\$0.00	
Mobridge Livestock Market	6/22/2005	8/17/2005	8/16/2005	6/30/2006		\$193,380	\$145,035.00	\$122,140.27
Philip livestock Market	7/29/2005	10/21/2005	10/25/2005	6/30/2006		\$166,800	\$125,100.00	
Presho Livestock Auction	10/11/2005	12/6/2005	1/18/2006	7/31/2006		\$216,005	\$157,425.00	
Sioux Falls Stockyards	8/12/2005	10/20/2005				\$7,800		
St. Onge Livestock Market	9/19/2005	10/31/2005	1/20/2006	9/30/2006		\$158,800	\$119,100.00	
Stockmens Livestock Market, Inc.	Dec-04	2/17/2005	4/27/2005	3/31/2006	3/23/06	\$488,337	\$162,500.00	\$162,500.00
Watertown Livestock Auction (South Barn)	12/27/2005	3/9/2006	2/15/2006	9/30/2006		\$220,580	\$159,375.00	

Wednesday, April 05, 2006

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**CAFO REGULATORY UPDATE:** Dennis Clarke reported that the noncompliance notices are being sent out.

**FARM PROGRAM UPDATE-EQIP/CSP:** Cindy Steele, NRCS, presented a handout on EQIP. All the money allocated to South Dakota has been committed but the number of contacts that will be funded will not be finalized until June 1, 2006. Ninety Ag Waste Systems have been funded at \$8.8 million.

### **OTHER ITEMS:**

Dennis Clarke, DENR, distributed copies of the Sampling for Soils Nutrient Management publications (last of the series) and announced that copies of the 319 Annual Report are available.

Dennis Clarke report that \$2.7 million in 319 grant funding was available for projects in FY 2006, and DENR expects that approximately the same amount in FY 2007.

### **2006 grants**

- All Project Implementation Plans have been approved by EPA
- Threatened & Endangered Species clearances are complete
- Expect to receive the 319 grant from EPA in about 3 weeks

- Approved Central Big Sioux and Deuel County project expansions so they can begin working in the areas added to each project using existing funds

#### 2007 Applications

- Current funding philosophy to continue
  - TMDL development and implementation in clusters
  - Dollars maybe requested for Animal Management Systems, Riparian Buffers (where EQIP and CRP are not available), shoreline/bank stabilization, I&E, monitoring/evaluation, salaries/travel/administrative.
- Timeline for 319 proposals
  - Project proposals to DENR - postmarked October 6, 2006
  - Project proposals reviewed as received. Summaries and proposals will be posted on website - October 13
  - Nonpoint Source Task Force meeting – November 8, 2006
  - Board of Water and Natural Resources meeting – January 5, 2007
- Proposal Preparation
  - Assistance from DENR is available (start early) – suggest 3-4 drafts before final
  - Use Region 8 Guidance posted on the DENR website
  - Continuation projects need a summary of “Past Results”
  - Summit both electronic and paper copy and support letters

Chairman Vallery requested DENR set-up a meeting to discuss Water Quality Standards and how to change them. Dennis Clarke will confer with DENR staff regarding this.

**DATE FOR NEXT MEETING:** November 8, 2006, 10 AM at the Matthew Training Center, Pierre, SD. Chairman Vallery emphasized that this will be a funding round.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**  
Matthew Training Center  
Pierre, South Dakota  
November 8, 2005

**OPENING AND INTRODUCTIONS:** The meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**ANNOUNCEMENTS:** Chairman Vallery announced Central Big Sioux Project will be moved to the beginning of the 319 grant application presentations on the agenda.

**APPROVAL OF AGENDA:** The agenda was approved.

**APPROVAL OF MINUTES:** Angela Ehlers, South Dakota Association of Conservation Districts (SDACD) moved to approve the minutes of the September 8, 2005 meeting. Second by Roberta Rasmussen, SD Pork Producers. Motion carried.

**AVAILABLE FUNDS OVERVIEW:** Jim Feeney, SD Dept. of Environment and Natural Resources (DENR), presented a handout showing South Dakota will have \$2,587,000 to pass through to local project sponsors from the FFY 2006319 allocation. The allocation reflects a .476% rescission from the 2005 funding level, and an additional cut by Congress is possible. The funding requests submitted total approximately \$4 million, and we are \$1.3 million short of being able fund them as requested. DENR and the Task Force will present their recommendations to the Board of Water and Natural Resources (BWNR) in January 2006. BWNR recommendations will be passed on to EPA for final funding decisions.

**319 GRANT APPLICATION PRESENTATIONS – RECOMMENDATIONS:**

The applications provided for review are as submitted by the sponsor by the October 3 deadline. Assistance with preparing the applications was provided as requested prior to the deadline. The department's recommendations that follow are based on the applications as received and reflect the funding approach initiated during the fall 2004 funding round. The funding criteria are:

- 319 Funds will be awarded for projects that develop or implement a TMDL
- Implementation project activities funded will be restricted to:
  1. ANMS – design and construction
  2. Riparian buffer/and related practices
  3. Shoreline/stream bank stabilization
  4. Salaries, travel and project administration

5. Information and education/outreach activities
  6. Monitoring and evaluation
- Funding for the construction of other BMPs is to come from other sources:
    1. Soil and Water Conservation Fund
    2. EQIP and other NRCS/FSA Programs
    3. USFWS
    4. Local funds and private organizations such as Ducks Unlimited
  - ANMS require a 25% minimum contribution by the owner/operator

The DENR funding recommendation also reflects whether or not the application is for a new project or is an expansion or continuation of an existing project. In the case of existing projects, the expenditure of previous awards was also considered. This became an overriding factor when one considers that only one of the five implementations project applications is for a new project (Lewis and Clark). One project (Deuel County) expands the project area to cover several watersheds with the remaining three applicants essentially adding funds to continue implementation of a long term restoration strategy. For this latter group, grant award expenditure became a prime consideration.

### **Central Big Sioux Watershed Project**

**Total Cost: \$7,775,427**

**319 Request: \$1,317,080 Grant**

The East Dakota Water Development District (EDWDD) proposes to expand the Central Big Sioux Project area to include the North-Central Big Sioux River/East Oakwood Lake portion of the watershed. With the addition, the project area will extend from Watertown to Brandon. East Dakota will complete the project in partnership with local conservation districts, the City of Sioux Falls, and the South Eastern Council of Local Governments. EDWDD will concentrate its efforts on addressing nutrient, sediment and fecal coliform loads originating from livestock operation in the river corridor; the conservation districts on NPS pollution originating from tributary subwatersheds; and the City of Sioux Falls on urban rural riparian restoration. Because of the large urban population the project area, the project workplan also includes a more extensive public information program than is normally proposed for watershed projects in South Dakota.

**Staff Recommendation: 319 Funds - \$200,100**

**319 funding restricted to coordination, travel and project administration activities; ANMS; buffers; shoreline/stream bank stabilization monitoring and evaluation; and I&E with ANMS requiring a minimum 25 percent contribution**

from the owner/operator.

**Spring Creek Watershed Assessment Project**

**Total Cost: \$200,000**

**319 Request: \$120,000 Grant**

**Project Description:** The Campbell County Conservation District proposes to complete an assessment of Spring Creek which will lead to the development of TMDLs for Lake Campbell and Lake Pocasse. Lake Campbell, located within the Spring Creek Watershed, contributes outflows that reach Lake Pocasse which drains to the Missouri River. Each of the lakes is listed in the 2004 Integrated Report as having high a Trophic State Index (TSI). Crop and livestock production are the primary land uses in the watershed.

**Staff Recommendation: 319 Grant - \$120,000**

**No special conditions.**

**Turkey Ridge Creek Watershed Project – Segment 2**

**Total Cost: \$884,145**

**319 Request: \$522,250 Grant**

**Project Description:** The Turner County Conservation District proposes to continue implementing practices needed to restore and protect the beneficial uses of Turkey Ridge Creek. Improving water quality in the Turkey Ridge Creek Watershed will also contribute to restoring and protecting the beneficial uses of the Vermillion River. This is the second segment of a six year TMDL implementation project. During this project segment the sponsor will:

1. continue the implementation of BMPs in the watershed that target sources of fecal coliform bacteria originating from animal feeding operations and livestock grazing and
2. conduct an information and education program to inform the public and project stakeholders about BMPs, water quality, and project progress.

**Staff Recommendation: 319 Funds - \$522,250**

**319 funding restricted to coordination, travel and project administration activities; ANMS; buffers; shoreline/stream bank stabilization monitoring and evaluation; and I&E with ANMS requiring a minimum 25 percent contribution from the owner/operator.**

**Belle Fourche River Watershed Management and Project Implementation Plan Segment III**

**Total Cost: \$4,972,742**

**319 Request: \$1,420,000 Grant**

**Project Description:** The Belle Fourche River Watershed Partnership proposes to continue implementation of BMPs to reduce Total Suspended Solids (TSS) in the Belle Fourche River Watershed. Fifty-five and 41 percent TSS reductions respectively are required to bring the Belle Fourche River and Horse Creek into compliance with the water quality standards. The total 24.1 mg/L TSS reduction in the Belle Fourche River realized during the first two projects segments places the project ahead of schedule. Practices installed during this project segment are expected to reduce TSS levels approximately an additional 30 mg/L. The reduction will bring the total to approximately one-half of the TMDL goal.

**Staff Recommendation: 319 Funds - \$1,208,800**

**The \$211,200 reduction below the requested amount is to come out of Task 2, Product 2 – Grazing/Ranchland Riparian Management. To cover costs associated with planning grazing systems, the sponsor is to include accessing the services offered by the Grassland Management and Planning Project. It is also recommended the Irrigation District investigate the SRF Incentive Loan Program as source of funding for some of the system improvement practices such as lining canals and the storage pond.**

**Deuel County Lakes Watershed Improvement Project Expansion**

**Total Cost: \$ 706,200**

**319 Request: \$235,850 Grant**

The Deuel County Conservation District was awarded \$286,100 during 2004 to implement the TMDLs for Fish Lake and Lake Alice. This proposal expands the project to include implementation of the TMDLs for School, Bullhead, and Round, and Wigdale Lakes. BMPs selected to reduce NPS pollution in the watersheds include grassed waterways, riparian area and wetland restoration, grazing management and animal nutrient management systems.

**Staff Recommendation: 319 Funds - \$235,850**

**319 funding restricted to coordination, travel and project administration activities; ANMS; buffers; shoreline/stream bank stabilization monitoring and evaluation; and I&E with ANMS requiring a minimum 25 percent contribution from the owner/operator.**

**Lewis and Clark Watershed Implementation Project – Segment 1**

**Total Cost: \$590,160**

**319 Request: \$313,480 Grant**

The Randall Resource Conservation District proposes to begin implementation of a 10-15 year effort to restore the beneficial uses of waterbodies in the Lewis and Clark Watershed and Lewis and Clark Lake. Lakes located in the watershed include Lewis and Clark, Corsica, Platte, Dante, Geddes, Academy and Andes. During this two year project segment, the sponsor will:

- implement BMPs in the Choteau Creek subwatershed to reduce fecal coliform bacteria and sediment loads entering Corsica Lake and
- develop a strategy to install BMPs throughout the Lewis and Clark Watershed that implements the TMDLs developed for all waterbodies in the watershed.

**Staff Recommendation: 319 Funds - \$300,000**

**319 funding restricted to coordination, travel and project administration activities; ANMS; buffers; shoreline/stream bank stabilization monitoring and evaluation; and I&E with ANMS requiring a minimum 25 percent contribution from the owner/operator. DENR staff will assist with preparation of a revise budget that meets the funding criteria.**

Roberta Rasmussen moved to accept staff/DENR funding recommendations. Second Joyce Williamson, US Geological Survey. Motion carried. Non-point Source Task Force recommendations will go to BWNR in January 2006.

**AGENCY REPORTS:**

**TMDL ASSESSMENTS UPDATE:** Gene Stueven, DENR, reported lakes have been listed by ecoregions. A proposal has been sent to EPA for the 2006 Integrated Report to list lakes by fishery classification/methodology instead. By April 2006, a list of new waterbodies/lakes and the Integrated Report will be on the DENR website for comments.

**CAFO/AUCTION MARKET ASSISTANCE UPDATE:** Pete Jahrus, Department of Agriculture, reported 123 producers have been approved for engineering design funds. Twenty of these are Livestock Auction Barns. There are 7 producers on the waiting list. 103 designs have been completed. The dollars spent to date total \$911,315. Producer match is running close to 50%. All funds have been obligated, but we should have enough funds left over to fund those on the waiting list.

Jeremy Schelhaas, DENR, reported \$642,000 has been allocated out of the \$2.5 million that is available for the construction of animal waste management systems at livestock auction markets. The funding is provided from Clean Water SRF Admin Surcharges. Seven auction barns have been approved out of the 20 that signed up for assistance, five more are in the bidding process, and one auction barn design is completed.

**FARM PROGRAM UPDATE-EQIP/CSP:** Cindy Steele, NRCS, presented the following overview on EQIP funding:

EQIP  
FY06 Funding Scenario

FY06 Initial Allocation FY06	\$15,578,900
Additional Allocation	\$0
	\$15,578,900

Funding Breakdown	
American Indian Earmark (17%)	\$2,648,413
Animal Waste Management Systems	\$3,000,000
Statewide Resource Concerns	\$4,465,244
SDACD Areas	\$5,465,243
Coteau	\$780,749
Hills	\$780,749
North Missouri	\$780,749
Northwest	\$780,749
Prairie	\$780,749
South James/Missouri	\$780,749
Vermillion/Big Sioux	\$780,749
Subtotal	\$5,465,243
Total \$15,578,900	

# Environmental Quality Incentives Program Ground and Surface Water Conservation (EQIP GSWC) Fiscal Year 2005

Fiscal Year 2005 Funding Allocation	
Initial Allocation	\$394,204
Additional Allocation 9/2/05	\$122,544
<i>Total Allocation</i>	<i>\$516,748</i>

Fiscal Year 2005 Sign-Up Results			
Applications Received - 1st Call for Ranking	29	\$258,221	3,892 acres
. High Plains Aquifer	0	\$0	0 acres
. Belle Fourche and Angostura Reservoirs	8	\$56,194	1,030 acres
. Big Sioux Aquifer	0	\$0	0 acres
. Other Aquifers	21	\$202,027	2,862 acres
Applications Received - 2nd Call for Ranking	22	\$298,519	3,733 acres
. High Plains Aquifer	0	\$0	0 acres
. Belle Fourche and Angostura Reservoirs	7	\$125,958	1,122 acres
. Big Sioux Aquifer	0	\$0	0 acres
. Other Aquifers	15	\$172,561	2,611 acres
Total Applications Received	51	\$556,740	7,625 acres

## Fiscal Year 2005 Funding Results

Applications Funded	40	\$448,353	6,253 acres
Funded Applications Cancelled	11	\$121,797	1,371 acres
<i>Allocation Remaining</i>		<i>\$68,395</i>	

# Environmental Quality Incentives Program (EQIP)

## Fiscal Year 2005

Fiscal Year 2005 Funding Allocation	
Initial Allocation	\$14,520,694
Additional Allocation 1/21/05	\$1,121,437
Additional Allocation 8/05	\$731,411
Additional Allocation 9/2/05	\$310,953
Sage Grouse Project	\$266,443
Additional Allocation for Sage Grouse	<u>\$339,557</u>
<i>Total Allocation</i>	<i>\$17,290,495</i>

Fiscal Year 2005 Funding Distribution (1/21/05)	
. American Indian Earmarked (17%)	\$2,659,162
. Animal Waste Management Systems	\$3,000,000
. Statewide Resource Concerns	\$4,441,484
. SDACD Areas (\$777,355/SDACD Work Group)	\$5,441,485
. Modifications (reserve)	\$100,000
<b>Total Allocation</b>	<b>\$15,642,131</b>

Fiscal Year 2005 Sign-Up Results		
	Number of Applications	Cost-Share Requested
Animal Waste Management Systems	73	\$6,781,819
American Indian Earmark	70	\$2,581,935
Statewide	39	\$4,729,432
SDACD Areas:		
. Northwest	50	\$1,532,745
. Hills	59	\$1,256,089
. Prairie	50	\$1,189,373
. North Missouri	61	\$1,375,777
. South James/Missouri	85	\$1,016,852
. Coteau	32	\$261,450
. Vermillion/Big Sioux	37	\$721,882
<b>Totals</b>	<b>556</b>	<b>\$21,447,354</b>

**OTHER ITEMS:** Dennis Clarke reported that in the future SHPO requirements will have to be addressed in 319 applications.

**DATE FOR NEXT MEETING:** April 6, 2006, 10 AM at the Matthew Training Center, Pierre, SD. Chairman Vallery stated this will be another project update meeting as there is no funding available until FFY 2007.

**ADJOURN:** Chairman Vallery adjourned the meeting.

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
March 8, 2005

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat, Inc. See attached "sign-in-sheet" for a list of those in attendance.

**APPROVAL OF AGENDA:** The agenda was approved as distributed.

**APPROVAL OF MINUTES:** Motion by Roberta Rasmussen, SD Pork Producers, to approve the minutes of the September 9, 2004 meeting. Seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**ANNOUNCEMENTS:** Chairman Vallery announced that the 2004 Nonpoint Source Annual Report is available in hard copy and on the SD Department of Environment and Natural Resources (DENR) website. Chairman Vallery also explained the funding process for this round of 319 applications.

Dennis Clarke, DENR, provided a handout for Erosion/Sediment Control and Stormwater Management Conference to be held in Sioux Falls, SD on March 29 and 30, 2005.

**AVAILABLE 319 FUNDS OVERVIEW:** Jim Feeney, SD Dept. of Environment and Natural Resources (DENR), reported South Dakota has received the FFY 2005 319 grant allocation in the amount of \$3,282,600. The allocation is 12.5% less than FFY 2004. Minus staff and support costs and the amount awarded during the September 2004 funding round for the Deuel County Lakes Improvement Project, a total of \$2,403,764 is available for project grant awards. Another source of funds available for assessments is Clean Water Act Section 106 funds. DENR can retain and use these funds for projects that fit 106 guidelines. The department proposes funding the Cheyenne River, Cottonwood Creek, and partial funding for Lower James River Watershed assessment project with 106 funds – see handout.

**319 GRANT APPLICATION REVIEW:**

**Lower James River Watershed Assessment Project**

**Total Cost: \$610,000**

**319 Request: \$330,000 Grant**

**Project Description:** The James River Water Development District proposes to sponsor the Lower James River Watershed Assessment Project. The assessment is designed to:

- locate and document sources of suspended solids, fecal coliform, and nutrient loads entering the 303(d) listed river/stream segments and lakes in the James River Watershed downstream of the Beadle/ Sanborn County Line and
- develop TMDLs for the listed river/stream segments and lakes.

The information gained from the assessment study will be used to prepare a project proposal to implement the TMDLs developed.

**Cottonwood Creek Watershed Assessment Project**

**Total Cost: \$67,890**

**319 Request: \$39,000 Grant**

**Project Description:** The Mellette County Conservation District proposes to sponsor the Cottonwood Creek Watershed Assessment Project. The activities completed during the project will:

- locate and document sources of nonpoint source pollution in the Cottonwood Creek watershed and produce feasible restoration recommendations,
- result in a TMDL for conductivity and Total Dissolved Solids (TDS) for Cottonwood Creek, and
- collect fecal coliform samples for the White River for fecal coliform source determination.

The information gained from the assessment will provide the information needed to:

- develop a TMDL implementation project to reduce sediment and nutrient loads entering the cottonwood creek from the watershed, and
- identify source of fecal coliform bacteria entering the White River.

**Cheyenne River Phase I TMDL Assessment**

**Total Cost: \$190,000**

**319 Request: \$114,000 Grant**

**Project Description:** South Dakota School of Mines and Technology proposes to sponsor the Cheyenne River Phase I TMDL Assessment Project. The project is the first of segment of a two phased effort to determine the sources of nonpoint source pollution causing water quality impairment in the portion of the Cheyenne River Watershed below Angostura Reservoir to the Missouri River. During this project segment the sponsor will:

- review historic water quality and stream flow data, document land uses, evaluate riparian vegetation, and complete a stream morphological analysis of the watershed,
- identify major NPS pollution contributing areas in the watershed that should be monitored more intensively.

The information gained from the project will be used develop a targeted water quality sampling plan that will more economically provide the data needed to develop TMDLs for the impaired waterbodies in the watershed.

### **Kingsbury Lakes Water Quality Implementation Project**

**Total Cost: \$1,298,120**

**319 Request: \$550,325 Grant**

**Project Description:** Kingsbury Conservation District proposes to protect and restore the beneficial uses of Lakes Thompson, Henry, Preston, and Whitewood by implementing BMPs that reduce nutrient and sediment loadings, and prevent bacterial contamination. This is the first segment of the long term effort to implement the TMDLs for these waterbodies. This project segment will:

1. Plan and install grassland and cropland management that will result in an 8% reduction of phosphorus loading to Lake Thompson.
2. Design and construct six agriculture waste systems at six feedlots identified as priority sources of NPS pollution using the AGNPS Feedlot Model.

### **Medicine Creek Watershed Project**

**Total Cost: \$1,278,050**

**319 Request: \$634,600 Grant**

**Project Description:** The American Creek Conservation District proposes to sponsor the Medicine Creek Watershed Project. This proposal is for the first of two three-year implementation projects to implement BMPs to restore and protect the beneficial uses of Medicine Creek and several small lakes in the watershed. BMPs planned for this project segment include:

- grassland and cropland management on 14,750 acres, and
- Design and construction four priority agriculture waste systems.

The project also includes a water quality assessment of Reliance Lake. Sources of water quality impairment of the lake will be addressed during the next project segment.

### **Turkey Ridge Creek Watershed Project – Segment 1**

**Total Cost: \$264,000**

**319 Request: \$130,440 Grant**

**Project Description:** Turner County Conservation District proposes to begin implementing practices needed to restore and protect the beneficial uses of Turkey Ridge Creek. Improving water quality in the Turkey Ridge Creek watershed will also contribute to restoring and protecting the beneficial uses of the Vermillion River. This is the first 18 month segment of a six year TMDL implementation project. During this project segment the sponsor will:

1. implementation of BMPs in the watershed that target sources of fecal coliform bacteria originating from animal feeding operations and livestock grazing,
2. develop an plan that fully implements the TMDLs developed for the watershed, and
3. conduct and information and education program to inform the public and project stakeholders about BMPs, water quality, and project progress.

### **Brown County Water Quality Improvement Project**

**Total Cost: \$1,274,259**

**319 Request: \$100,000 Grant**

**Project Description:** The City of Aberdeen will use a combination of 319, Clean Water State Revolving Fund NPS Incentive loan, and local funds to reduce nutrient and sediment loading in the Elm, Maple, and Moccasin Creek watersheds. BMPs that address NPS pollutants from animal feeding and grazing operations, degraded riparian and upland habitat, cropland management and urban sources are included in the workplan.

### **Central Big Sioux Watershed Project**

**Total Cost: \$11,403,567**

**319 Request: \$5,053,125 Grant**

The East Dakota Water Development District (EDWDD) will use a combination of 319, Clean Water State Revolving Fund NPS Incentive loan, and local funds to begin implementing a ten year TMDL implementation strategy to restore the beneficial uses of the Big Sioux River from Brooking to Brandon. East Dakota will complete the project in partnership with local conservation districts, the City of Sioux Falls, and the South Eastern Council of Local Governments. EDWDD will concentrate its efforts on addressing nutrient, sediment and fecal coliform loads originating from livestock operation in the river corridor; the conservation districts on NPS originating from tributary subwatersheds; the City of Sioux Falls on urban rural riparian restoration. Because of the large urban population the project area, the project workplan also includes a more extensive public information program than is normally proposed for watershed projects in South Dakota.

**Belle Fourche River Watershed Management and Project Implementation Plan Segment II**

**Total Cost: \$2,481,815**

**319 Request: \$1,094,700 Grant**

**Project Description:** The Belle Fourche River Watershed Partnership proposes to continue implementation of BMPs to reduce TSS in the Belle Fourche River Watershed. A 55 and 41 percent reduction of Total Suspended Solids (TSS) load is required to bring the Belle Fourche River and Horse Creek into compliance with the water quality standards. This project segment will reduce:

- TSS by implementing BMPs that reduce the nonused irrigation water discharged to the local waterways from the irrigation water delivery and application, and
- Reduce TSS by 18 percent through riparian vegetation improvement projects.

**RECOMMENDATIONS FOR FUNDING:**

The department's recommendations reflect the funding approach initiated during the last funding round (fall 2004) and presented at the SDACD Area meetings and the 2005 319 project coordinator's workshop.

- 319 Funds will be awarded for projects that develop or implement a TMDL
- Implementation project activities funded will be restricted to:
  1. ANMs – design and construction
  2. Riparian buffer/and related practices where EQIP is not an option
  3. Shoreline/stream bank stabilization
  4. Salaries, travel and project administration
  5. Information and education/outreach activities
  6. Monitoring and evaluation
- Funding for the construction of other BMPs is to come from other sources:
  1. Soil and Water Conservation Fund
  2. EQIP and other NRCS/FSA Programs
  3. USFWS
  4. Local funds and private organizations such as Ducks Unlimited

- ANMs will require a 25% minimum contribution by the owner/operator

While DENR used the guidelines as the basis to develop the funding recommendations, the department also recognized that there are projects such as the Belle Fourche River Project that do not fit what is considered the “standard” TMDL/watershed implementation project mold. Reaching the Belle Fourche River TMDL is related to practices that improve irrigation water management to reduce return flows rather than reducing fecal, nutrient and sediment loading from the watershed using the usual suite of practices.

Unless otherwise noted or the project is an exception to the norm, such as the Belle Fourche River Project, the department’s recommendations restrict use of 319 funds as outlined.

**319 Funding Recommendations**

The department’s funding recommendation and the Task Force action taken on each proposal follows:

Cheyenne River TMDL Assessment – South Dakota School of Mines and Technology

319 Request - \$114,000  
 DENR recommendation: 319 Funds - \$0.00                      106 Funds - \$114,000

**Task Force action:** N/A

Cottonwood Creek Watershed Assessment Project – Mellette Co. Conservation District

319 Request - \$39,000  
 DENR recommendation: 319 Funds - \$0.00                      106 Funds - \$39,000

**Task Force action:** N/A

Lower James River Watershed Assessment – James River Water Development District

319 Request - \$330,000  
 DENR recommendation: 319 Funds - \$153,000                      106 Funds - \$117,000

**Task Force action:** Angela Ehlers, SDACD, moved to recommend \$153,000 in 319 funding for the Lower James River Watershed Assessment. Seconded by Jay Gilbertson, EDWDD. Motion carried.

Belle Fourche River Watershed Management Implementation Project – Belle Fourche River Watershed Partnership

319 Request - \$1,094,700  
 DENR recommendation: 319 Funds - \$500,000

As stated previously, this project differs from what is considered the traditional 319 project in that it has an irrigation component and reaching the TMDL is related to reducing return flows by improved water management.

The funding recommendation is based on no 319 funds being used for the Alternative Keyhole Water Delivery Study (\$50,400) or the New Implementation Money (\$124,000). The amounts budgeted for monitoring and evaluation activities and reports appear high. We suggest a reduction by about one half (\$40,000 ±) as there seems to be overlaps in the activities. The amount budgeted for monitoring cost (\$21,500) for USGS is questioned. Labor costs (consultant + SDSM&T - \$522,715) look out of proportion to the cost of the actual water management BMP construction (\$345,200). It is also recommended the Irrigation District investigate the SRF Incentive Loan Program as source of funding for some of the system improvement related practices such as lining canals and the storage pond.

DENR will work with the sponsor to prepare a revised PIP that funds up to the recommended level.

**Task Force action:** Angela Ehlers, SDACD, moved to recommend \$350,000 in 319 funding for the Belle Fourche River Watershed. Seconded by Roberta Rasmussen.

Jay Gilbertson moved a substitute motion of \$500,000 to Belle Fourche with the stipulation that the revised PIP budget provides no more than 50% of the cost of the map come from 319 funds. Motion seconded by Jim Feeney. Chairman Vallery restated the substitute motion of \$500,000 but within that a stipulation that only 50% of the map cost can be paid by 319 funds. Angela Ehlers moved to amend the substitute motion to \$450,000. Motion seconded by Robert Rasmussen. Amendment declared lost by Chair on a voice vote. A division of the house was requested. Amendment failed on 12 to 8 vote of the Task Force core voting members present. Substitute motion carried by vote of 13 to 7 of the Task Force core voting members present.

#### Central Big Sioux River Watershed Project – East Dakota Water Development District

319 Request - \$5,053,125

DENR recommendation: 319 Funds - \$825,000

319 funding is restricted to coordination, travel and project administration; animal waste management systems (AWMSs); buffers; shoreline/stream bank stabilization; monitoring and evaluation; and I&E. Coordination funds include funds for sub agreements with conservation districts.

**Task Force action:** Angela Ehlers moved to recommend \$825,000 in 319 funding for the Central Big Sioux River project. Seconded by Roberta Rasmussen. Motion carried.

Kingsbury Lakes Water Quality Improvement Project – Kingsbury Conservation District

319 Request - \$550,000

DENR recommendation: 319 Funds - \$412,650

Recommended 319 funding is restricted to coordination, travel and project administration; AWMSs; buffers; shoreline/stream bank stabilization monitoring and evaluation; and I&E.

**Task Force action:** Jay Gilbertson moved to recommend \$412,650 in 319 funding for the Kingsbury Lakes project. Seconded by Angela Ehlers. Motion carried.

Medicine Creek Watershed Project (includes Reliance Lake) – American Creek Conservation District

319 Request - \$634,600

DENR recommendation: 319 Funds - \$341,900

Funding for the TMDL study for Reliance Lake is to be deleted from this project segment. Possible inclusion in future funding requests will be revisited after DENR staff meets with the City of Reliance. It is our understanding that a primary reason the City wanted the study was related to listing the lake as impaired and dredging. DENR recently learned that dredging may no longer be eligible for 319 funding. EPA is revisiting this issue. We expect to know the agency's position prior to the next funding round.

319 funding is restricted to coordination, travel and project administration; AWMSs; buffers; shoreline/stream bank stabilization; monitoring and evaluation and I&E.

**Task Force action:** Angela Ehlers moved to recommend \$341,900 in 319 funding for the Medicine Creek Watershed project. Seconded by Bob Gab. Motion carried.

Turkey Ridge Creek Watershed Project – Turner County Conservation District

319 Request - \$130,440

DENR recommendation: 319 Funds - \$130,440

Full funding as requested.

**Task Force action:** Angela Ehlers, SDACD, moved to recommend \$130,440 in 319 funding for the Turkey Ridge Creek Watershed project. Seconded by Jay Gilbertson. Motion carried.

Brown County Water Quality Improvement Project City of Aberdeen

319 Request - \$100,000

DENR recommendations: 319 Funds - \$40,774

319 funds are requested for the coordinator. Additional funds to bring the award to the \$100,000 requested will be made available to the sponsor from 319 and other funds that become available in the future.

**Task Force action:** Jay Gilbertson moved to recommend the balance of 319 funds estimated to be \$40,774 to Brown County Water Quality Project. Seconded by Jim Feeney. Motion carried.

### **REPORTS:**

**TMDL ASSESSMENT UPDATE:** Gene Stueven presented a PowerPoint presentation on the current status of the TMDL/303(d) list schedule. Information was presented on the number of TMDLs Approved and De-listed, TMDLs in Progress, and TMDLs not Initiated. The status was presented for the 1998 303(d) listed waters and the latest 2004 listed waters. At this time the State is on schedule to meet the goals set in 1998. See attached handout.

**CAFO DESIGN ASSISTANCE UPDATE:** Pete Jahrus, Dept. of Agriculture (DOA), reported producers are currently being added to the assistance program and most of the funds available are committed. To date assistance has been provided to 113 producers. Eighty-one have been completed and submitted designs to DENR for approval. Sixty designs have been approved with the average cost being \$15,000. As long as there are funds available, designs will be funded but the availability of DENR funds end September 30, 2005.

**FARM PROGRAM UPDATE-EQIP/CSP:** Cindy Steele, NRCS, presented a handout with an overview on EQIP, EQIP GSWC, WHIP, WRP, and GRP funding. No final rule or sign-up date has been announced for CSP.

**AUCTION MARKET AWMS CONSTRUCTION ASSISTANCE PROGRAM:** Jim Feeney, DENR, reported that House Bill 1215, the Governor's Omnibus Water and Environment Funding Bill, was passed by the Legislature. The bill appropriates 12 million dollars for water and waste projects. The bill authorizes the expenditure of three million dollars in Clean Water State Revolving Fund fees with \$500,000 for Small Community Planning Grants and water quality grants to supplement the Consolidated program. The remaining \$2.5 million is for the construction of animal waste management systems for livestock auction markets. If the auction markets are CAFOs, they must go through the general permitting process before they can apply to DENR for financial assistance. Jeremy Schelhaas is the department's contact for the program. The assistance parallels the EQIP program. A seventy-five percent grant not to exceed \$150,000 for construction and not to exceed \$12,500 for construction engineering is allowed. Grants will be awarded on a first come first serve basis.

### **OTHER ITEMS:**

Lowell Messman, Scott Jones and Chairman Vallery will represent the Task Force at the March Board of Water and Natural Resources meeting.

**SUMMER PROJECT TOUR:** Angela Ehlers reported the SD Legislative Ag and Natural Resources Committees are working with the departments of Agriculture, GFP, and DENR to schedule a 2 to 3 day tour of projects this summer. The Task Force will keep the members informed when the date and locations are set.

**DATE FOR NEXT MEETING:** September 8, 2005, 10 AM at the Matthew Training Center, Pierre, SD. This is a funding round. Applications for 319 funds are due to DENR – Water Resources Assistance Program by August 1, 2005. For more information, contact Dennis Clarke, DENR – WRAP, 523 E. Capitol Ave., Pierre, SD 57501 or call 605-773-4254.

**ADJOURN:** Chairman Vallery adjourned the meeting.

FFY 2005 319 NONPOINT SOURCE PROGRAM

FFY 2005 FUNDING

Base 319 Grant	\$1,644,000	
Incremental Grant Funding	<u>\$1,638,600</u>	
TOTAL	\$3,282,600	12.55% Decrease from FFY 2001-2004
Administration	<u>(\$680,000)</u>	
Pass-Through Subtotal	\$2,602,600	
 Deuel County Lakes Improvement Project	 (\$286,100)	 Sep-04 Award

PRIOR YEAR FUNDS

Base 319 Grant	<u>\$87,264</u>
319 AVAILABLE	<u>\$2,403,764</u>
 § 106 Grant	 <u>\$330,000</u>
TOTAL AVAILABLE	<u>\$2,733,764</u>

ASSESSMENTS PROJECTS	Requested	Recommendations		
		DENR	Task Force	BWNR
Cheyenne River, Phase I § 106	<u>\$114,000</u>	<u>\$114,000</u>	NA	NA
Cottonwood Creek Watershed § 106	\$39,000	\$39,000	NA	NA
Lower James River Watershed § 106	\$330,000	\$177,000	NA	NA
Lower James River Watershed § 319		\$153,000	\$153,000	
Reliance Lake	<u>\$9,200</u>	\$0	\$0	
	<u>\$492,200</u>	<u>\$483,000</u>	\$153,000	

IMPLEMENTATION PROJECTS

Belle Fourche River Watershed	\$1,094,700	\$500,000	\$500,000
Brown County WQ Project	\$100,000	\$40,774	\$40,774
Central Big Sioux River Watershed	\$5,053,125	\$825,000	\$825,000
Kingbury Lakes WQ Project	\$550,325	\$412,650	\$412,650
Medicine Creek Watershed	\$634,600	\$341,900	\$341,900
Turkey Ridge Creek Watershed	<u>\$130,440</u>	<u>\$130,440</u>	<u>\$130,440</u>
	<u>\$7,563,190</u>	<u>\$2,250,764</u>	<u>\$2,250,764</u>

TOTALS	\$8,055,390	\$2,733,764	\$2,403,764
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NON POINT SOURCE TASK FORCE

ATTENDANCE SHEET

DATE: 3-8-05

LOCATION: Pierre, SD

NAME (PLEASE PRINT)	AGENCY	ADDRESS	PHONE NUMBERS; E-MAIL ADDRESS
Lois Docken	DENR	Pierre, SD	605-773-4254
DENNIS C. CLARKE	SD DENR	Pierre	605-773-4254
Kahert Romussen	S.D. P.P.C.	Sioux Falls - office 305 N. Elmwood St - charge	605-3265094
Robert R. Hub	Cons. Comm	12313 324th ave Eureka 57356	rhugh@velvetel.net
Les Labahn	Randall P&D	PO Box 247, Lake Andes, SD	605-487-7077
Angela Ehlers	SDACD		
Jay Gilbertson	East Dakota WDD		
Darnell Ruschke	James River WDD		
Patrick Schwickerath	RESPEC	3824 Jet Drive Rapid City	605-394-6508 pdschw@respec.com
Bill Anderson	Belle Fourche Irrigation Dist	209 Dartmouth Newell	456 2541
Kurt Forman	USFWS	P.O. Box 247, Brookings	697-2500 Kurt.Forman@fws.gov
RALPH H REIMER	SC WID	25454-346 AV <sup>Rusk with AA</sup> SD	
Cindy Stube	NRCS	200 14th Street Huron	352-1244

NON POINT SOURCE TASK FORCE

ATTENDANCE SHEET

DATE: 3-8-05

LOCATION: Pierre, SD

NAME (PLEASE PRINT)	AGENCY	ADDRESS	PHONE NUMBERS; E-MAIL ADDRESS
Rick Vallery	SD Wheat Inc	Box 667 Pierre	
Joyce Williamson	USGS	1608 Mt. Vernon Rapid City	jewillia@usgs.gov
Jerid Evans	American Creele	Keanebec SD	
Eric Senger	NECOG	Aberdeen SD	
Jody MACKAY	KINGSBURY CD	Box 85 DESMET 57231	JMACKAY@SDCONSERVATION.ORG
David Lee	" "	" "	
John Deppo	Lower James RCD	1820 N Kimball Mitchell, SD 57301	
Lowell Mesman	SD Farm Bureau	28868 Puckroff St. Prespe	Mesmanlowe@dotato2k.net
Terry Plucker	SD Rural Water	5009 W. 12th St Sioux Falls, SD 57106	tplucker@sdarws.com
DAN HOYER	RESPEC	1821 Jet Dr Rapid City, SD	dan.hoyer@RESPEC.com
Scott Jones	SD cattlemen	midland SD	sjjones@gwtc.net
Martie Ryno	Mellette Co. Cons. Dist.	PO Box I White River SD	martie.ryno@sd.nacdn.net
Elmer M. Ward	SDACD	1104 Belfast St. Yankton, SD.	

NON POINT SOURCE TASK FORCE

ATTENDANCE SHEET

DATE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

NAME (PLEASE PRINT)	AGENCY	ADDRESS	PHONE NUMBERS; E-MAIL ADDRESS
Joan Bortnem	SD DOT	Pierre 700 E Broadway	773-3098 joan.bortnem@state.sd.us
Theresa Benda	South Central RCD	P.O. Box 231 White River, SD 57579	259-3547 theresa.benda@rednet.net
JOBY TIMM	NRCS - RCD	PIERRE	joby.timm@sd.usda.gov
Anne Lewis	SD Discovery Ctr	805 W Sioux	annelewis@sd-discovery.com
ROBIN BOBZIEN	CITY OF ABERDEEN	123 S LINCOLN ABERDEEN	engl.coa@midconetwork.com
Tim Wilson	"	"	626-7094
Bob Mercer	Newspapers	109 E. Oak Pierre	Bobmercer1@aol.com
Alison Kiesz	SDDA	523 E Capital Ave	alison.kiesz@state.sd.us
Dennis Johnson	Turner Cons Dist	Parker, SD	297-4410
Pete Jahraw	SD Dept. of Ag	Pierre	

**NONPOINT SOURCE TASK FORCE****Core Voting Member****3-4-05****AGENCY/INTEREST GROUP****REPRESENTATIVE**

US Forest Service	Monte Williams
US Environmental Protection Agency	Steven Bubnick
US Geological Survey	Joyce Williamson
Natural Resources Conservation Service	Mike Kuck
US Bureau of Reclamation	James Weigel
Consolidated Farm Service Agency	Dianne Clayton
SD Dept. of Environment and Natural Resources	Steve Pirner
SD Dept. of Agriculture	Ray Sowers
SD Dept. of Game, Fish and Parks	John Kirk
SD Conservation Commission	Robert Gab
SD Assoc. of Conservation Districts	Angela Ehlers
SDSU College of Ag	David Clay
Water Development Districts	Jay Gilbertson
SD Resources Coalition	Luanne Napton
Resource Conservation and Development Districts	Joby Timm
Planning Districts	Eric Senger
SD Farm Bureau	Lowell Mesman
SD Pork Producers	Roberta Rasmussen
SD Cattleman's Association	Scott Jones
Izaak Walton League of America	Mike Williams
Black Hills Regional Multiple Use Coalition	Nancy Hilding
SD Lakes and Streams Association	Anne Lewis
Corn Growers Association	Todd Anawski
SD Wheat, Inc.	Rick Vallery
SD Association of Rural Water Systems	Dennis Davis
SD Grassland Coalition	Lavern Koch/Justin Jessop
US Fish and Wildlife Services	Kurt Foreman
SD Dept. of Transportation	Joan Bortnem
Lower Brule Sioux Tribe	Joe Chief Bear

## All TMDLs Not Initiated

Basin	Segment	Location	Parameter	Initiated
Bad	Freeman Lake	Jackson County	TSI	1998
Bad	Bad River	Stanley County line to mouth	TDS/Cond	1998
Belle Fourche	Iron Creek Lake	Lawrence County	TSI	2002
Belle Fourche	Strawberry Creek	Headwaters to mouth	Cd/Cond/Cu/TDS/pH/Zinc	1998
Big Sioux	Campbell, Lake	Brookings County	TSI	1998
Big Sioux	Covell Lake	Minnehaha County	TSI	1998
Big Sioux	Twin Lake/W. Hwy 81	Kingsbury County	FCA	2004
Big Sioux	Kampeska, Lake	Codington County	Fecal	2004
Big Sioux	Bitter Lake	Day County	FCA	2004
Big Sioux	Big Sioux River	SE of Ortley to Lake Kampeska	DO	2002
Cheyenne	New Wall Lake	Pennington County	TSI	1998
Cheyenne	Bismark Lake	Custer County	TSI/pH	1998
Cheyenne	Horsehief Lake	Pennington County	TSI/pH	1998
Cheyenne	Lakota, Lake	Custer County	TSI/pH	1998
Cheyenne	Stockade Lake	Custer County	TSI	2002
Cheyenne	Curlew Lake	Pennington County	TSI	2004
Cheyenne	Battle Creek	Teepee Gulch Creek to SD Hwy 79	pH/Temp	1998
Cheyenne	Cheyenne River	Belle Fourche River to Bull Creek	TSS/Fecal	1998
Cheyenne	Cheyenne River	Rapid Creek to Belle Fourche River	TSS/Fecal	1998
Cheyenne	Battle Creek	Near Horsehief Lake to Teepee Gulch Creek	Temp	2002
Cheyenne	Grace Coolidge Creek	Headwaters to Battle Creek	Temp	2002
Cheyenne	Cheyenne River	Angostura Reservoir to Rapid Creek	TSS	2002
Cheyenne	Cheyenne River	Bull Creek to mouth	TSS/Fecal	2002
Cheyenne	Cherry Creek	Headwaters to mouth	Cond	2004
Cheyenne	Fall River	Hot Springs to mouth	Temp	2004
Cheyenne	Victoria Creek	Near Rapid City	Temp	2004
Grand	Flat Creek Lake	Perkins County	TSI	1998
Grand	Isabel, Lake	Dewey County	TSI/FCA	1998
Grand	Shadehill Reservoir	Perkins County	TDS/SAR/Chlorides	2002
Grand	Shadehill Reservoir	Perkins County	TSI	2002
Grand	Gardner, Lake	Harding County	TSI	2004
Grand	Grand River	Bullhead to mouth	TSS/Fecal/SAR	1998
Grand	Grand River	Corson County line to Bullhead	TSS/SAR	2004
James	Beaver Lake	Yankton County	TSI	1998
James	Bierman Dam	Spink County	TSI	1998
James	Carthage, Lake	Miner County	TSI	1998
James	Rosette Lake	Edmunds County	TSI	1998
James	Cavour, Lake	Beadle County	TSI	2004
James	James River	I-90 to Yankton County line	TSS	2002
James	James River	Sand Creek to I-90	TSS	2002
James	James River	Yankton County line to mouth	TSS/Fecal	2002
James	Firesteel Creek	West Fork Firesteel Creek to mouth	TDS/Temp	2004
Little Missouri	Little Missouri River	Montana border to North Dakota border	SAR	2004
Minnesota	Cobb Creek	Near Gary	Temp	2004
Missouri	Pocasse, Lake	Campbell County	TSI	1998
Missouri	Roosevelt Lake	Tripp County	TSI	1998
Missouri	Sully Dam	Tripp County	TSI	1998
Missouri	Campbell, Lake	Campbell County	TSI	2004
Moreau	Coal Springs Reservoir	Perkins County	TSI	1998
Moreau	Dewberry Dam	Dewey County	TSI	1998
Moreau	Moreau River	Green Grass to mouth	SAR/TSS	1998
Moreau	S. Fork Moreau River	Alkali Creek to mouth	Cond/TDS	2004
Moreau	Moreau River	Headwaters to near Iron Lightning	SAR	2004
Moreau	Moreau River	Iron Lightning to Green Grass	TSS	2004
White	Cottonwood Creek	Headwaters to White River	TDS/Cond	2004

## 1998 TMDLs Not Initiated

Basin	Segment	Location	Parameter Initiated	
Bad	Bad River	Stanley County line to mouth	TDS/Cond	1998
Bad	Freeman Lake	Jackson County	TSI	1998
Belle Fourche	Strawberry Creek	Headwaters to mouth	Cd/Cond/C	1998
Big Sioux	Campbell, Lake	Brookings County	TSI	1998
Big Sioux	Covell Lake	Minnehaha County	TSI	1998
Cheyenne	Battle Creek	Teepee Gulch Creek to SD Hwy 79	pH/Temp	1998
Cheyenne	New Wall Lake	Pennington County	TSI	1998
Cheyenne	Bismark Lake	Custer County	TSI/pH	1998
Cheyenne	Horsethief Lake	Pennington County	TSI/pH	1998
Cheyenne	Lakota, Lake	Custer County	TSI/pH	1998
Cheyenne	Cheyenne River	Belle Fourche River to Bull Creek	TSS/Fecal	1998
Cheyenne	Cheyenne River	Rapid Creek to Belle Fourche River	TSS/Fecal	1998
Grand	Flat Creek Lake	Perkins County	TSI	1998
Grand	Isabel, Lake	Dewey County	TSI/FCA	1998
Grand	Grand River	Bullhead to mouth	TSS/Fecal/	1998
James	Beaver Lake	Yankton County	TSI	1998
James	Carthage, Lake	Miner County	TSI	1998
Missouri	Pocasse, Lake	Campbell County	TSI	1998
Moreau	Moreau River	Green Grass to mouth	SAR/TSS	1998
Moreau	Coal Springs Reservoir	Perkins County	TSI	1998
Moreau	Dewberry Dam	Dewey County	TSI	1998

Minutes of the  
**NONPOINT SOURCE TASK FORCE MEETING**

Matthew Training Center  
Pierre, South Dakota  
September 9, 2004

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Vice Chair Roberta Rasmussen, SD Pork Producers. See attached "sign-in-sheet" for a list of those in attendance.

**APPROVAL OF AGENDA:** The agenda was approved as distributed.

**APPROVAL OF MINUTES:** Jay Gilbertson, East Dakota Water Development District (EDWDD), noted that on page 4 the minutes should read "no funding for the Wetlands Project". Jay Gilbertson moved to approve the minutes of the March 9, 2004 meeting as corrected. Seconded by Angela Ehlers, SD Association of Conservation Districts (SDACD). Motion carried.

**AVAILABLE 319 FUNDS OVERVIEW:** Jim Feeney, SD Dept. of Environment and Natural Resources (DENR), reported South Dakota has not received the final FFY 2005 319 grant allocation. Based on projections of what will be received, a total of \$3,689,024 is available for project grant awards. Requests received total \$1,474,493.

**319 GRANT APPLICATION REVIEW:**

**Deuel County Lakes Watershed Improvement Project**

Total Cost: \$621,830

319 Request: \$286,100 Grant

**Project Description:** The Deuel County Conservation District proposes to install the practices needed to reach the TMDL for Fish Lake and maintain the current water quality status of Lake Alice by:

1. implementing BMPs in the Fish Lake watershed to reduce phosphorus loadings to Fish Lake, and
2. Constructing outlet structures at both Fish Lake and Lake Alice to reduce shoreline erosion.

The project may be expanded to include School Lake and Bullhead Lake when the assessments for the two lakes are complete.

## **Upper Big Sioux River Watershed Project Expansion-Continuation**

Total Cost: \$1,729,451

319 Request: \$855,500 Grant

**Project Description:** The City of Watertown proposes to continue the implementation of BMPs in the Lake Kampeska and Pelican Lake watersheds to protect and restore the designated uses of the lakes and the Big Sioux River. BMPs planned include: animal nutrient management systems, grazing management, riparian area restoration, grassed waterways, and stream bank and lake shore stabilization. The City will also:

1. continue a pollution prevention (P2) program for the project area, and
2. collect water quality samples to develop a TMDL for dissolved oxygen for the segment of the river located between the inlet to Lake Kampeska and Florence.

## **Evaluating Phosphorus Loss on a Watershed Scale**

Total Cost: \$120,376

319 Request: \$72,566 Grant

**Project Description:** South Dakota State University (SDSU) proposes to continue evaluating the relationship that exists between the amount of phosphorus in soils and phosphorus loads delivered to water bodies. In this project segment, SDSU will evaluate the relationship at the small watershed level and compare results to the relationship found using micro-plots. SDSU will also conduct field demonstrations and workshops to transfer phosphorus runoff prevention information to livestock producers, extension educators, water quality experts, state regulators, and environmental stakeholders.

## **Evaluating the Performance of Vegetated Treatment Areas**

Total Cost: \$553,733

319 Request: \$260,327 Grant

**Project Description:** South Dakota State University proposes to evaluate the technical and financial feasibility of vegetative treatment areas (VTAs) as an alternative BMP for animal nutrient management at nonpermitted animal feeding operations. The evaluations will be:

1. completed at five locations in different areas of the state,
2. patterned after tests of VTAs being conducted in Iowa and Nebraska, and
3. conducted in partnership with the South Cattlemen's Association, South Dakota Farm Bureau, South Dakota Department of Agriculture, DENR, and NRCS.

## **RECOMMENDATIONS FOR FUNDING:**

Dennis Clarke gave the department's recommendation relative to funding of each project. The recommendation and action taken on each proposal follows:

### Deuel County Lakes Improvement Project

Department recommends full funding at \$286,100 with the provision that the sponsor enter discussions with GFP regarding technical and financial assistance for the design and construction of the outlet structures at both lakes. Based on the outcome of these discussions, the amount will be reduced to reflect GFP's contribution. Angela Ehlers, SDACD, moved to recommend funding for \$286,100. Seconded by Robert Gab, Conservation Commission. Motion carried.

### Performance of Vegetated Treatment Areas

Department recommends funding at \$260,300. Angela Ehlers moved to recommend funding at \$260,300. Seconded by Mike Kuck, SD NRCS. Motion carried.

### Phosphorus Loss on a Watershed Scale

Department recommends full funding at \$72,600. Scott Jones, SD Cattlemen's Association, moved to recommend funding at \$72,600. Seconded by Jay Gilbertson. Motion carried.

### Upper Big Sioux River Watershed

Fund at \$570,000 with 319 funds being directed toward:

- Personnel/Administration
- Animal Nutrient Management Systems
- Manure Application Management
- Riparian Buffers
- Information and Education
- Water Quality Sampling

The recommendation is consistent with direction provided to EDWDD for preparation of the Central Big Sioux Project application. Scott Jones moved to recommend funding at \$570,000. Seconded by Jay Gilbertson. Discussion: The Sponsor expressed they will accept but are disappointed and hope they can get more funding from other sources. More discussion followed regarding spending funds for future funding and cost sharing. Vice Chair Rasmussen called for a vote on the motion. Motion carried.

### **REPORTS:**

**BMP TRACKING PROGRAM:** Jared Renken, BIT, and Jeremy Schelhaas, DENR, gave a PowerPoint presentation on the system being developed by DENR to track load reductions, project expenses, and BMPs installed. The program will be used by DENR for reports to EPA project management.

INFORMATION & EDUCATION PROJECT: Anne Lewis, SD Discovery Center, gave an update on the Information and Education (I&E) project. A contract for the project was signed by DENR and the SD Discovery Center August 12. At the time of the presentation, approximately \$24,000 was available for mini-grants to fund non-targeted activities. The request for proposals for the mini-grants was approved at the I&E subcommittee meeting held earlier today and will be made public by the end of September. As the project progresses, more money may become available for mini-grants depending on whether targeted activities are being completed.

TMDL ASSESSMENT UPDATE: Gene Stueven reported that DENR is starting work on the Vermillion River Basin assessment and preparing proposals for the James River, and the Cheyenne River Basin. DENR has until 2111 to complete the 1998 TMDL list of the state's impaired waters. The Central Big Sioux project has 18 TMDLs segments to write up. The TMDLs are in the area from Brookings to Sioux Falls. Faith Dam, Lake Herman, Hayes Lake, and Fish Lake have been public noticed. A final transmittal will be sent to EPA. Belle Fourche has an additional TMDL to be completed. Samples are currently being collected.

CAFO DESIGN ASSISTANCE UPDATE: Pete Jahrus, Dept. of Agriculture (DOA), reported that DENR, DOA, Conservation Districts, and NRCS offered cost share assistance for engineering design to facilities that meet the definition of a CAFO and submitted a Notice of Intent to be permitted by the September 30, 2005 deadline. He also reported they are looking into providing livestock auction barns planning assistance grants.

FARM PROGRAM UPDATE: Mike Kuck, NRCS, presented a handout on EQIP, EQIP GSWC, WHIP and GRP. Funding from the programs totals \$15,612,100.

CENTRAL BIG SIOUX TMDL: Jay Gilbertson, EDWDD, presented maps showing fecal coliform/sediment loading to the Big Sioux River in the Central Big Sioux Assessment project area. An implementation proposal is being written for funding to address the problem. Gene Stueven stated that Lewis and Clark Basin, Lower Big Sioux, and North Central Big Sioux assessments also are showing similar results.

**ELECTION – PRESIDENT/VICE PRESIDENT:** Vice Chair Rasmussen asked for nominations for president and vice president of the Task Force. Scott Jones moved to nominate Rick Vallery for president. Seconded by Mike Kuck. Angela Ehlers moved to close nominations and cast a unanimous ballot for Rick Vallery for president. Motion carried.

Robert Gab move to nominate Roberta Rasmussen for vice chair. Seconded by Mike Kuck. Scott Jones moved to close nominations and cast a unanimous ballot for Roberta Rasmussen for vice chair. Motion carried.

**OTHER ITEMS:**

Vice Chair Rasmussen announced Chairman Vallery said he will represent the Task Force at the September Board of Water and Natural Resources meeting.

**DATE FOR NEXT MEETING:** March 8, 2005, 10 AM at the Matthew Training Center, Pierre, SD. This is a funding round. Applications for 319 funds are due to DENR – Water Resources Assistance Program by February 1, 2005. For more information, contact Dennis Clarke, DENR – WRA, 523 E. Capitol Ave., Pierre, SD 57501 or call 605-773-4254.

**ADJOURN:** Angela Ehlers moved to adjourn. Seconded by Jay Gilbertson. Meeting adjourned.



project segment is designed to:

1. initiate implementation of the irrigation, riparian and grazing management BMPs needed to reduce total suspended solids (TSS),
2. conduct a public education and outreach program, and develop a strategic plan to guide the development and
3. implementation of subsequent project segments that will result in reaching TMDLs established for the watershed during the next 10 years.

**Upper Snake Creek Watershed Project**

Total Cost: \$2,077,400

319 Request: \$1,097,550 Grant

Project Description: The Dakota Central Resource Conservation and Development Association proposes to:

1. restore/maintain the beneficial uses of Mina Lake, Loyalton Dam, Cresbard Lake, and Snake Creek by implementing BMPs in the watershed that reduce/prevent sediment, nutrient and bacterial loading, and
2. develop TMDLs for Rosette Lake and Bierman Gravel Pit.

This project is the first three-year segment of a six-year implementation strategy.

**Using Precision Manure Management to Improve Water Quality in TMDL Identified Problem Areas**

Total Cost: \$461,216

319 Request: \$254,898 Grant

Project Description: South Dakota State University proposes to demonstrate and evaluate the effectiveness of deep placement of manure as a BMP for reducing phosphorus loads originating from highly eroded glacial till soils. Preliminary research has shown that off-site transport of Phosphorus can be reduced by 50% or more using the BMP.

**South Dakota Watershed Information and Education Collaborative Project**

Total Cost: \$499,270

319 Request: \$278,600 Grant

Project Description: The South Dakota Discovery Center and Aquarium proposes to implement a comprehensive, coordinated statewide project to promote and facilitate public understanding of watersheds and related management issues through instruction, field experiences, voluntary activities, the media and networking with environmental groups and resource management agencies and organizations.

**South Dakota Wetland Education Program**

Total Cost: \$132,000

319 Request: \$79,200 Grant

Project Description: The City of Watertown proposes to complete a statewide prairie wetlands education project working through the Terry Redlin Freshwater Institute. Proposed work plan activities include classroom presentations, field trips and development of educational materials

for both students and adults. The Redlin Center will partner with governmental agencies and private organizations in the development and delivery of the activities.

### **RECOMMENDATIONS FOR FUNDING:**

Jim Feeney, DENR, asked that in the future the sponsor of funding proposals check DENR's website to make sure everything is posted correctly. Dennis Clarke gave the department's recommendation relative to funding of each project. The recommendation and action taken on each proposal follows:

Lewis and Clark Watershed Assessment Project – Department recommends full funding at \$66,370. Jay Gilbertson, EDWWD, moved to recommend funding at \$66,370. Seconded by Terry Plucker, SD Rural Water Assn. Angela Ehlers, SDACD, proposed to amend the amount to \$67,000. Both the maker of the motion and second agreed to the changes. Motion as amended carried.

Belle Fourche River Watershed Management and Project Implementation Plan – Department recommends full funding at \$189,000. Pete Jahraus, Dept. of Agriculture, moved to recommend funding at \$189,000. Seconded by Mike Williams, Izaak Walton League. Motion carried.

Upper Snake Creek Watershed Project – Department recommends full funding at \$1,097,550 for 4 years. Angela Ehlers, SDACD, moved to recommend funding at \$1,098,000. Seconded by Mike Kuck, NRCS. Jay Gilbertson, EDWDD, made a substitute motion to fund Upper Snake Creek at \$750,000 for 3 years. Motion seconded by Chairman Vallery. Substitute motion carried.

Using Precision Manure Management to Improve Water Quality in TMDL Identified Problem Areas – Department recommended full funding at \$254,898. Angela Ehlers made a motion to recommend funding at \$255,000. Seconded by Jay Gilbertson. Motion carried unanimously.

Chairman Vallery stated that the Task Force would discuss the following projects at the same time.

SD Watershed Information and Education Collaborative Project – Department recommended \$150,000 in funding.

SD Wetland Education Program – Department recommended no funding.

Angela Ehlers, SDACD, moved to reserve \$200,000 for watershed I & E projects. Seconded by Bob Gab.

Kristi Maher, SD Discovery Center, asked how match will work with this project. Dennis Clarke stated that different organizations would apply to the I&E Steering Committee (advisory committee) which would decide the need for an activity workshop then contact the Discovery Center to form a project partnership with the organization(the grantee).

Joby Timm, RC&D, added that the I & E subcommittee should work with the Discovery Center's I & E subcommittee to determine what needs are out there.

Chairman Vallery provided the names of the persons currently appointed to serve as I & E Committee members.

**WETLANDS I & E COMMITTEE:** Chairman Vallery appointed the following to the Wetlands I&E Committee:

Jay Gilbertson, Chair	East Dakota Water Development District
Don Marquardt	SD Lakes & Streams
Scott Jones	SD Cattlemen's Association
Aaron Evertt	Black Hills Forest Resource Association
Mike Kuck	NRCS
Dennis Clarke	DENR
Mike Williams	SD Izaak Walton League
Angela Ehlers	SDACD
Pete Jahraus	SD Dept. of Ag

Chairman Vallery called for a vote on the motion to approve \$200,000 to fund an I&E Project concerning watershed and wetlands education using the Discovery Center as the sponsor. Motion carried.

Jay Gilbertson moved to recommend no funding for the Wetlands Project. Angela Ehlers seconded. Motion carried.

Chairman Vallery pointed out that the Task Force makes recommendations to Board of Water and Natural Resources. The Board of Water and Natural Resources then makes the final decision to which projects are forwarded to EPA for funding.

**AGENCY REPORTS:**

**I & E REPORT:** Dennis Clarke, DENR, reported the revised Forestry Best Management Practices for South Dakota is now available and that DENR is co-sponsoring an Erosion and Sediment Control Conference with SD Department of Transportation and the Federal Highway Administration. The conference is scheduled March 25 and 26 at the Ramkota.

**CORE VOTING MEMBERS:** Chairman Vallery asked the NPS Task Force Core Voting members present update the list. Jay Gilbertson, East Dakota Water Development District (EDWDD) moved to add Lower Brule Sioux Tribe to the Core Voting members. Seconded by Angela Ehlers, SDACD. Motion carried. Angela Ehlers, SDACD, moved to remove SD Water Congress from the core voting members. Seconded by Roberta Rasmussen, SD Pork Producers. Motion carried. The Core Voting Members and designated representative are:

**NONPOINT SOURCE TASK FORCE CORE VOTING MEMBERS**  
**UPDATED 04-15-04**

<u><b>AGENCY/INTEREST GROUP</b></u>	<u><b>REPRESENTATIVE</b></u>
US Forest Service	Monte Williams
US Environmental Protection Agency	Doug Lofstedt
US Geological Survey	Joyce Williamson
Natural Resources Conservation Service	Mike Kuck
US Bureau of Reclamation	James Weigel
Consolidated Farm Service Agency	Dianne Clayton
SD Dept. of Environment and Natural Resources	Steve Pirner
SD Dept. of Agriculture	Ray Sowers
SD Dept. of Game, Fish and Parks	Leslie Petersen
SD Conservation Commission	Robert Gab
SD Assoc. of Conservation Districts	Angela Ehlers
SDSU College of Agriculture and Bio Science	Dave Clay
Water Development Districts	Jay Gilbertson
SD Resources Coalition	Luanne Napton
Resource Conservation and Development Districts	Joby Timm
Planning Districts	Roger Mack
SD Farm Bureau	Lowell Mesman
SD Pork Producers	Roberta Rasmussen
SD Cattleman's Association	Scott Jones
Izaak Walton League of America	Mike Williams
Black Hills Regional Multiple Use Coalition	Nancy Hilding
SD Lakes and Streams Association	Anne Lewis
Corn Growers Association	Todd Anawski
SD Wheat, Inc.	Rick Vallery
SD Association of Rural Water Systems	Dennis Davis
SD Grassland Coalition	Lavern Koch/Justin Jessop
US Fish and Wildlife Services	Kurt Foreman
SD Dept. of Transportation	Joan Bortnem
Lower Brule Sioux Tribe	Joe Chief Bear

CAFO PERMITTING UPDATE: Jeanne Goodman, DENR, that reported the:

1. CAFO permit was finalized during October 2003,
2. Swine Concentrated Animal Feeding Operations and all other animals General Permit have been combined into one permit in response to the new EPA regulations which were adopted and finalized last year, and
3. A permit is not issued until an operation is constructed and ready to operate.

DESIGN ASSISTANCE UPDATE: Pete Jahrus, Dept. of Agriculture, gave a report about the Concentrated Animal Feeding Operations Designs assistance program which uses Conservation Commission grant and DENR Clean Water Revolving funds for engineering designs/plan. A letter was out to all operations on DENR's Notice of Intent Permit List. The producers that sent

applications back were ranked based on water quality then the applications were sent to their conservation districts to apply for the grants by April 1, 2004.

**2004 INTEGRATED REPORT:** Gene Stueven, DENR, reported that the 305(b), State Water Quality Report, and 303(d), State Impaired Water Report, are now combined into one document, the 2004 Integrated Report. The department is in the process of addressing comments received as a result of the Public Notice. The final will be sent to EPA and be placed on our website April 1.

**SEDIMENT AND EROSION CONTROL WORKSHOP:** Chairman Vallery announced that Dept. of Transportation, Dept. of Environment and Natural Resources, and Federal Highway Administration are co-sponsoring an Erosion and Sediment Control Conference March 25-26, 2004 in Pierre, SD. See the brochures or visit DOT's website for more information.

**FARM PROGRAM UPDATE – EQIP/CSP:** Mike Kuck, NRCS, presented a review of EQIP, WHIP, and CSP program funding.

**CLEAN WATER SRF LOANS:** Jim Feeney, DENR, announced that the Board of Water and Natural Resources (BWNR) meeting scheduled for March 25 and 26, 2004, will include a Clean Water State Revolving Fund program administrative rules hearing. The department is proposing the establishment of a watershed incentive rate to encourage funding of nonpoint source projects. Projects for traditional wastewater or stormwater projects that include a nonpoint component will receive a 1.0 percent reduction in the overall interest rate (interest and administrative surcharge). The annual principal and interest payments will be calculated for a loan at the normal (higher) interest rate. Using the lower interest rate, a loan will be sized using the annual payment previously calculated. The difference in the two loan amounts will be the amount of funding available for the nonpoint source component of the project.

Nonpoint source projects not associated with traditional wastewater or stormwater projects are also eligible for Clean Water SRF loans at the base program rates as long as they can demonstrate repayment capabilities. The projects have to be on the State Water Plan. Angela Ehlers moved that the Task Force go on record supporting the proposed rule changes. Dr. Carlson seconded. Motion carried.

### **OTHER ITEMS:**

Dr. Greg Carlson, proposed that SDSU and DENR plan a water quality conference instead of having a 319 project tour this summer. The conference would be organized around what people are doing in research and implementation; old problems - wetlands, manure, TMDLs, Missouri River sediment; new problems – facing us in the future such as coal bed methane and antibiotics in our water supplies. The conference would maybe ask for I&E money at a later date. Gene Stueven, DENR, stated that in addition the conference would include a forum discussing what data each agency is collecting or what their data needs are. Jay Gilbertson moved support of the

water conference. Seconded by Terry Plucker. The tentative date for the Water Conference is August 24 – 26, 2004, at the Ramkota River Centre in Pierre.

Chairman Vallery appointed himself, Jay Gilbertson, and Angela Ehlers to represent the Task Force at the March 25 - 26 Board of Water and Natural Resources meeting.

**DATE FOR NEXT MEETING:** September 9, 2004, 10 AM at the Matthew Training Center, Pierre, SD. This is a funding round and applications for 319 funds are due to DENR – Water Resources Assistance Program by August 1, 2004. For more information, contact Dennis Clarke, DENR – WRA, 523 E. Capitol Ave., Pierre, SD 57501 or call 605-773-4254.

**ADJOURN:** Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Matthew Training Center  
Pierre, South Dakota  
September 11, 2003**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts (SDACD) to approve the minutes of the March 11, 2003, meeting. Seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**319 FFY2003/2004 GRANT OVERVIEW AND STATUS:** Jim Feeney, SD Dept. of Environment and Natural Resources (DENR), reports South Dakota anticipates an allocation of \$3,128,700 for the FFY 2004 319 grant and \$767,250 remains from FFY 2003 funding. A total of \$3.9 million is available for awarding to nonpoint source activities.

**SEPTEMBER 2003 FUNDING APPLICATIONS**

The project sponsors presented an overview of their projects and 319 grant requests.

**TMDL ASSESSMENT PROJECTS**

**Amsden Dam Watershed Assessment Project**

Total Cost: \$103,000

319 Request: \$62,000 Grant

Project Description: The Day County Conservation District proposes to locate and document sources of nonpoint source pollution (primarily excess nutrient loading) in the watershed. This project will produce TMDL targets and goals for Amsden Dam and also document feasible restoration recommendations that may lead to a watershed implementation project.

**Okobojo Creek Watershed Assessment Project**

Total Cost: \$66,000

319 Request: \$39,000 Grant

Project Description: The Sully County Conservation District proposes to locate and document sources of nonpoint source pollution (primarily excess nutrient loading) in the Okobojo Creek Watershed. This project will produce TMDL targets and goals for two listed lakes and also document feasible restoration recommendations that may lead to a watershed implementation project.

**Vermillion River Basin Watershed Assessment Project**

Total Cost: \$540,000

319 Request: \$324,000 Grant

Project Description: The Vermillion River Water Development District proposes to locate and document sources of nonpoint source pollution for the Vermillion River Watershed. The project will provide information to develop a watershed implementation work plan with the objective of decreasing erosion, sedimentation, and fecal coliform loadings in the river/stream miles and nutrients in the lakes in the project area. This project will result in a TMDL report for the 303(d) listed stream segments and lakes of the Vermillion River downstream of Lake Thompson. The parameters of concern in these segments include suspended solids, fecal coliform and nutrients. This project will produce TMDL targets and goals for the listed lakes and document feasible restoration recommendations that may lead to a watershed implementation project.

**White River Watershed Assessment Project**

Total Cost: \$80,000

319 Request: \$48,000 Grant

Project Description: The goal of the White River Assessment Project is to locate and document sources of nonpoint source pollution (primarily excess sediment loading) in the watershed. This project will produce Total Maximum Daily Load (TMDL) reports for the listed segments of the waterbody and feasible restoration recommendations that may lead to a watershed implementation project.

**IMPLEMENTATION/DEMONSTRATION PROJECTS**

**Demonstration and Evaluation of Deep Placement of Manure as a P Management BMP Project**

Total Cost: \$461,216

319 Request: \$254,898 Grant

Project Description: South Dakota State University proposes to demonstrate and evaluate the effectiveness of deep placement of manure as a BMP for reducing phosphorus loads originating from highly eroded glacial till soils. Preliminary research has shown that off-site transport of P can be reduced by 50% or more using the BMP.

**Lake Pelican Water Project District Watershed Project**

Total Cost: \$2,863,700

319 Request: \$1,704,250 Grant

Project Description: The Lake Pelican Water Project District proposes to improve water quality in the Big Sioux River and Lake Pelican through the implementation of watershed and in-lake practices. The proposed project is composed of three objectives:

- 1) Design, permit, construct, and establish operation and maintenance agreements for 21 flow restriction/sediment traps in the Mahoney Creek and Soo Creek basins of the watershed.
- 2) Improve wetlands adjacent to Lake Pelican to enhance water quality and wildlife habitat through storm water runoff treatment and restoration of wetland functions.
- 3) Improve water quality in Lake Pelican through the removal of 190,000 cubic yards of sediment.

The Lake Pelican Water Project District also proposes to fund a technical staff person to complete monitoring for construction of practices, wetland modifications, and dredge monitoring and sampling.

### **Terry Redlin Freshwater Institute Wetland Education Project**

Total Cost: \$189,366

319 Request: \$142,024 Grant

Project Description: Working through the Terry Redlin Freshwater Institute, the City of Watertown proposes to develop an interactive wetlands education program on the institute's property located at Lake Kampeska. The partnership will also develop wetlands education packets for use by schools and seminars for adult groups.

### **Wetlands Education Pilot Project**

Total Cost: \$100,000

319 Request: \$60,000 Grant

Project Description: The South Dakota Resources Coalition proposes to develop, implement and evaluate a wetland education program. Program segments planned include an educational module for students, power point presentation for use with adult audiences and a display and information packets for use at farm shows.

## **IMPLEMENTATION AMENDMENT REQUESTS**

### **Animal Nutrient Management Technical Assistance Team**

Total Cost: \$5,319,300

319 Request: \$596,632 Grant

Project Description: The South Dakota Association of Conservation Districts has been the sponsor of the "ag waste team" since it began in 1990. The amendment request provides for a two year extension of this project through July 31, 2006. Additionally, the request provides for the addition of an agronomist to the team and for the purchase of GPS total station surveying equipment.

The team provides priority design assistance to small producers on a voluntary basis in all of the conservation districts in eastern South Dakota. First priority goes to 319 funded TMDL implementation projects. Animal waste utilization plans are also developed for each animal waste system constructed with follow-up on existing systems to ensure waste is being used in an effective and efficient manner. Providing this assistance is critical to keep moving ahead with design and construction of manure handling systems for small producers in watersheds where TMDLs are being implemented.

### **Lake Herman/Lake Madison/Brant Lake Watershed Project (Amendment)**

Total Current Cost: \$1,629,896

Current 319: \$660,245 Grant

Total Proposed Cost: \$2,221,896

319 Request: \$444,000 Grant Increase

Project Description: The overall goal of the project is to decrease the phosphorus loading of Lake Herman/Lake Madison/Brant Lake by 50 percent in compliance with the approved Total Maximum Daily Load. One of the major objectives included in the Project Implementation Plan (PIP) is the completion of ten Animal Nutrient Management Systems (ANMSs). The original estimate in the PIP was \$50,000 each for the ANMSs. The average cost to date for completed and designed ANMSs is \$167,315. The Lake County Conservation District (local project sponsor) is requesting an additional \$300,000 of 319 funds to complete eight ANMSs. The Lake County Conservation District is requesting an additional \$144,000 of 319 funds for the restoration of a berm on Bourne Slough which was damaged by flooding in 1993. The berm restoration project will

increase the hydraulic residence time in the slough which will in turn reduce sediment and phosphorus transportation into Lake Madison. The total amendment request is for an additional \$444,000 of EPA 319 funds.

#### **RECOMMENDATIONS FOR FUNDING:**

**TMDL Assessment Projects Recommendations** - DENR recommends funding all **TMDL Assessment Project** applications at the requested levels for a total of \$473,000. State Water and Environment Fund dollars are available for cost sharing.

**Implementation Projects Recommendations - Demonstration and Evaluation of Deep Placement of Manure as a P Management BMP Project** - DENR recommendation is to support funding as requested for \$254,898.

**Lake Pelican Water Project District Watershed Project** – The department recommended no funding. The overriding reason for the recommendation is that more than \$1.9 million of § 319 funding has already been awarded for water quality activities in the Upper Big Sioux River watershed. Of that amount, \$1.25 million has been expended. The District’s application ignored the efforts made in the watershed to date and indicated no willingness to coordinate with the existing project. Grant funding is limited, and the funding of separate \$1.9 million and \$1.7 million projects to work in the same watershed can not be supported.

The following additional concerns with District’s proposal were noted:

- ⊗ The District has promoted this project as flood control rather than a water quality project and flood control is not an eligible § 319 activity;
- ⊗ The high values placed on the in-kind or soft match contributions related to the dredge disposal site, donations of easements, and the Stromseth wetland appear questionable and may indicate a lack of local cash to support this project;
- ⊗ The expectation that other local entities will provide for the operation and maintenance of the facilities is unrealistic; and
- ⊗ The \$780,500 dredging component has limited water quality benefits based on the very low percentage of sediment to be removed.

The District has previously submitted § 319 and state Consolidated grant requests for these activities. The department has consistently stated it will not support funding a duplicative effort in the watershed. We have recommended that the District work through the existing Upper Big Sioux River restoration project and have offered to assist in the coordination.

**Terry Redlin Freshwater Institute Wetland Education Project and Wetlands Education Pilot Project** – The Department recommends no funding. Neither application provides a comprehensive effort that addresses needs for the whole state of South Dakota. The Department recommends that the applicants and all other interested parties work together to develop a comprehensive statewide approach for wetlands education.

**Animal Nutrient Management Technical Assistance Team (Amendment)** – The Department recommends funding in the amount of \$596,632 as requested.

**Lake Herman/Lake Madison/Brant Lake Watershed Project (Amendment)** – The Department recommends funding in the amount of \$444,000 as requested. It may be reduced based on the 60/40 cost sharing requirement when the Project Implementation Plan (PIP) is revised.

The total for all recommendations is \$1,768,530, leaving a balance of approximately \$2,125,000 for future funding rounds.

Roberta Rasmussen, SD Pork Producers, made a motion to remove the Lake Pelican request for 319 funding from consideration. It didn't fit the 319 criteria for funding and failure to recognize work already done and no cooperation with existing implementation project. Jay Gilbertson, second. Motion carried.

Angela Ehlers, SD Association of Conservation Districts, made a motion to recommend funding as requested for the four assessment projects. Mike Williams, second. Motion carried.

Angela Ehlers made a motion to recommend \$255,000 for the Deep Manure Project. Motion carried.

Jay Gilbertson, East Dakota Water Development District (EDWDD), made a motion to recommend \$150,000 of the available 2003 money for the wetlands education projects. Dave Clay, SDSU, second. Motion carried.

Roberta Rasmussen, SD Pork Producers, made a substitute motion that the wetland projects to be deleted from the implementation projects (no funding recommendation for both wetlands projects but work on a coordinating plan). Bob Gab, SD Conservation Commission, second. Motion carried.

Bob Gab made a motion to recommend funding as requested for both amendments. Roberta Rasmussen, second.

Angela Ehlers made a motion to amend the Animal Nutrient Management funding level to \$596,000 from \$596,632. Jim Feeney, DENR, second. Motion carried.

Chairman Vallery asked for a vote to recommend funding for both amendments. Motion carried.

Jay Gilbertson and Angela Ehlers will present the 319 applications to the September 25 Board of Water and Natural Resources meeting.

**BELLE FOURCHE ASSESSMENT:** Dr. Dan Hoyer, RESPEC, gave a PowerPoint presentation on the assessment of impaired waters within the Belle Fourche River Watershed.

**CAFO PERMITTING UPDATE:** Jeanne Goodman, DENR, presented map handouts of DENR approved CAFO plans and specifications and CAFO notice of intent status for

existing operations. The draft general permit was sent out to over a 1,000 interested parties on August 1, 2003.

**2004 303(d) LISTING PROCESS:** Gene Stueven, DENR, reported that a letter to interested parties had been sent out with a September 30, 2003, deadline to report back any available water quality data. The 305(b) and 303(d) reports will be combined together in one document.

**NRCS – EQIP UPDATE:** Cindy Steele, NRCS, presented a handout on EQIP applications received and funded.

**SET NEXT MEETING DATE:** March 11, 2004, 10 AM at the Matthew Training Center, Pierre, SD. This is a funding round and applications for 319 funds applications are due to DENR-Water Resources Assistance Program by February 1, 2004.

**ADJOURN:** Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
March 6, 2003**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF AGENDA:** Duane Murphey, Department of Environment and Natural Resources (DENR), asked that the Department of Transportation be added the agenda.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts (SDACD). Seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**319 FFY2002/2003 GRANT OVERVIEW AND STATUS:** Duane Murphey, DENR, reported \$1,168,194 is left from FFY2002 funds and \$3.8 million was allocated to South Dakota for 319 FFY2003 funds. After this funding round, \$625,394 will be available for future funding rounds.

**MARCH 2003 319 APPLICATIONS:**

**SUMMARY OF 319 APPLICATIONS**

**TMDL ASSESSMENT PROJECTS**

**Twin Lakes/Wilmarth Lake Watershed Assessment Project**

Total Cost: \$106,300 319

Request: \$64,000 Grant

Project Description: The Aurora Conservation District proposes to locate and document sources of nonpoint source pollution (primarily excess nutrient loading) in the watersheds. This project will produce TMDL targets and goals for the listed lakes and also document feasible restoration recommendations that may lead to a watershed implementation project.

**Lake Traverse Watershed Assessment Project**

Total Cost: \$95,800 319

Request: \$57,500 Grant

Project Description: The Roberts Conservation District proposes to study Lake Traverse and its watershed in order to prepare a TMDL for the lake and its tributaries. The lake is impaired by algae and excessive nutrients, and the TMDL will establish acceptable nutrient loadings to the lake.

**TMDL IMPLEMENTATION/WATERSHED PROJECTS**

**Lake Hanson Watershed Implementation**

Total Cost: \$1,130,000 319

Request: \$600,000 Grant

Project Description: The Hanson Conservation District proposes to restore the beneficial uses of Lake Hanson by reducing fecal contamination and sedimentation through the installation of planned grazing systems and animal waste management systems in the Pierre Creek watershed. Additional restoration efforts at the lake will include shoreline stabilization and development of a mitigation strategy for the septic systems located along the shoreline of the lake. The final phase of the restoration effort will be to remove 175,000 cubic yards of sediment from the lake.

**Watershed Planning and Assistance Project**

Total Cost: \$28,417,150 319

Request: \$2,950,000 Grant

Project Description: The South Dakota Association of Conservation Districts will employ nine resource management specialists to provide technical assistance to landowners in twenty-five 303(d) listed impaired water bodies across the state to reduce pollutant loadings. They will be trained and certified by DENR and the Natural Resources Conservation Service and will provide on-farm plans and assistance in applying for Farm Bill funding to install the planned practices. Two of the specialists will be assigned to work specifically with owners of animal feeding operations near the Big Sioux River. Without this assistance, some of these owners may be at risk of future regulatory actions. Engineering design for animal waste management systems will be contracted through private engineering consultants.

**RECOMMENDATIONS FOR FUNDING:** Duane Murphey, DENR, recommended funding as requested for all projects. Mike Kuck, Natural Resource Conservation Service (NRCS), made a motion to approve funding for projects as DENR recommended. Seconded by Jay Gilbertson EDWDD. Motion carried.

Bob Gab, SDACD, made a motion Angela Ehlers and Jay Gilbertson present the 319 proposals to the Board of Water and Natural Resources on March 28, 2003. Everyone was in agreement.

**FARM BILL UPDATE:** Mike Kuck, NRCS, gave an overhead presentation on the Farm Bill programs.

**303(d) LIST UPDATE:** Duane Murphey, DENR, presented a handout of the 2002 303(d) list of impaired waterbodies in South Dakota. The list can also be found at the DENR website, [www.state.sd.us/denr](http://www.state.sd.us/denr).

**I&E STEERING COMMITTEE TASK:** Dennis Clarke, DENR, reported the Forestry BMP manual is being revised. The “Using Manure Analysis Results” brochure will be published soon. A storm water workshop will be held April 7th and 8th in Rapid City and 10th and 11th in Sioux Falls. Pre-registration is online on the Associated General Contractors website at [www.sdagc.org](http://www.sdagc.org). Interested persons can also register by calling 1-800-242-6373. There is a conference charge. Also, a Grazing Workshop will be sponsored this summer by the Grassland Coalition. A watershed project web site is being setup with links to other sites.

Chairman Vallery appointed a new I&E Steering Committee: SD Lakes & Streams – Don Marquardt; SD Cattlemen’s Association – Scott Jones; East Dakota Water Development

District – Jay Gilbertson; Black Hills RC & D – Aaron Everett; Natural Resources Conservation Services – Mike Kuck; Dept of Environment & Natural Resources – Dennis Clarke; and SD Izaak Walton League Association – Mike Williams. They will draft a new I&E workplan and grant proposal.

**LEWIS AND CLARK STUDY:** Les Labahn, Randall Resource Conservation and Development District, gave an informational report on the proposed Lewis and Clark Lake watershed assessment project. The local sponsor is coordinating the assessment project with DENR and Nebraska agencies. EPA Section 106 funds are being used for assessment work in South Dakota.

**CAFO SCHEDULE:** Jeanne Goodman, DENR, updated the Task Force on the new Federal rules for Concentrated Animal Feeding Operations (CAFO) that will become effective April 14, 2003. South Dakota's Water Management Board will conduct a public hearing on May 7, 2003, to consider incorporating the federal rules by reference into Administrative Rules of SD.

**SOIL PHOSPHOROUS STUDY UPDATE:** Dave German and Frank Schindler, SDSU Water Research Institute, gave a PowerPoint presentation about soil phosphorous management research.

**OTHER ITEMS:** Duane Murphey presented the Non Point Source Annual Report to the Task Force.

Chairman Vallery has received a written request from Department of Transportation to be a voting member of the Task Force. Angela Ehlers moved that Department of Transportation be added as a core voting member to the Nonpoint Task Force. Jay Gilbertson seconded. Motion carried.

**SET NEXT MEETING DATE/ROUND II APPLICATION DATE:** The next scheduled meeting will be September 11, 2003, 10 AM at the Pierre Elks Lodge, Pierre, SD. This is a funding round and applications for 319 funds are due to DENR-Water Resources Assistance Program by August 1, 2003. The Task Force is planning a tour after the 4th of July; information will be mailed out when plans are finalized.

**ADJOURN:** Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 19, 2002**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance. The Chairman asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF AGENDA:** Duane Murphey, Department of Environment and Natural Resources (DENR), asked that Fecal Coliform Source Identification Study be moved up on the agenda after the 319 applications.

**APPROVAL OF MINUTES:** Motion by Roberta Rasmussen, SD Pork Producers Seconded by Robert Gab, SD Conservation Commission. Motion carried.

**319 FY2002/2003 GRANT OVERVIEW AND RECOMMENDATIONS:** Duane Murphey and Jim Feeney, SD Dept. of Environment & Natural Resources (DENR), presented the following information.

**ROUND III APPLICATIONS:**

**FEDERAL FISCAL YEAR 2002  
SECTION 319 EPA GRANT**

A federal fiscal year 2002 appropriation of \$3,142,900 was allocated to South Dakota for award to new nonpoint source activities. In September 2001, the department's recommendation to award \$658,500 of FFY 2002 319 funding to four projects was approved. In March 2002, the department's recommendation to award \$659,000 of 319 funding to four projects was approved. A balance of \$1,674,200 of 2002 funds is available for award.

The department received three applications by the August 1<sup>st</sup> deadline for Round III funding consideration. The department recommends funding all three of these Total Maximum Daily Load (TMDL) projects. The projects include two TMDL assessment projects to develop TMDLs for the Keya Paha River, Rahn Lake, and the Little White River. All of these are on the 1998 303(d) South Dakota TMDL list of impaired waterbodies.

The department recommends funding one TMDL implementation project at Lake Mitchell. The proposed project would provide for the surface application of alum on Lake Mitchell to remove phosphorus from the water column. The alum treatment will complement the ongoing activities of the long-term Firesteel Watershed Restoration project in meeting the TMDL goal for Lake Mitchell.

If these funding recommendations are approved, there will be approximately \$1,200,000 of federal 319 funds available for future 319 funding rounds. Staff will continue to work

with potential project sponsors to develop viable applications for TMDL assessment and implementation efforts.

#### TMDL ASSESSMENT PROJECTS

##### **Keya Paha River – Rahn Lake Watershed Assessment Project**

Total Cost: \$136,520

319 Request: \$82,000 Grant

***Department Recommendation: \$82,000 319** - Recommended funding will allow preparation of required TMDLs for the Keya Paha River in Tripp county and Rahn Lake which are on the 1998 303(d) list. This level fully funds the 319 portion of the TMDL assessment effort. The Clearfield- Keya Paha Conservation District will sponsor the project and secure the balance of the nonfederal cost share.*

Project Description: The Clearfield-Keya Paha Conservation District proposes to prepare a TMDL for Rahn Lake and the Keya Paha River in Tripp County as required by the 1998 303(d) state TMDL list.

##### **Little White River Watershed Assessment Project**

Total Cost: \$84,160

319 Request: \$50,500 Grant

***Department Recommendation: \$50,500 319 Grant**- Recommended funding will allow preparation of required TMDL for the portion of the Little White River in Mellette County which is on the 1998 303(d) list. This level fully funds the 319 portion of the TMDL assessment effort. The Mellette Conservation District will sponsor the project and secure the balance of the nonfederal cost share.*

Project Description: The Mellette Conservation District proposes to prepare a TMDL for Little White River as required by the 1998 303(d) state TMDL list.

#### TMDL IMPLEMENTATION/WATERSHED PROJECT

##### **Firesteel Creek/Lake Mitchell Water Quality Improvement Project**

Total Cost: \$799,045

319 Request: \$475,965 Grant

***Department Recommendation: \$340,500 EPA 319 Grant** – Recommended funding would implement the TMDL for Lake Mitchell and reduce phosphorus concentrations in the lake. This level fully funds three years of alum treatment and five years of water quality monitoring. The requested amount would fund five years of alum treatments. Matching funds will come from the city of Mitchell.*

Project description: The Davison Conservation District proposes to supplement the existing 319 project that focuses on long-term watershed improvements such as manure management systems at existing confined animal feeding operations. While the watershed improvement project is a long-term solution, the alum treatment recommended above will produce more immediate results. Alum applied to the surface of the lake will bind with phosphorus in the water and settle to the bottom, thus making the phosphorus unavailable to algae for growth. Less phosphorus should result in less algae and improved taste and odor in the drinking water supply.

**Recommendations for funding:**

Roberta Rasmussen, SD Pork Producers, made a motion to give full funding to the Keya Paha project. Mike Kuck, NRCS, seconded. Motion carried.

Pat Cerny, South Central Water Development District (SDWDD), made a motion to give full funding to the Little White River project. Angela Ehlers, SDACD, seconded. Motion carried.

Pat Cerny, SDWDD, made a motion to accept DENR's recommendation of \$340,500 for funding of the Firesteel Creek Project. Roberta Rasmussen, SD Pork Producers, seconded. Motion carried.

**FECAL COLIFORM SOURCE IDENTIFICATION STUDY:** Prof. Nels Troelstrup and Erick Jorgenson, SD State University (SDSU), gave a PowerPoint presentation on bacterial source tracking methodology for fecal coliform.

**303(d) WATERSHED PLANNING AND ASSISTANCE PROJECT:** Angela Ehlers, SDACD, presented a draft proposal for the next 319 funding round which will entail additional technical assistance for 303(d) watershed planning in most counties across South Dakota. South Dakota Association of Conservation Districts would employ the personnel while Natural Resources Conservation Services would train them.

**303(d) LIST UPDATE:** Duane Murphey, DENR, reported the 303(d) comment period has closed and a list is being prepared for the U S Environmental Protection Agency. The list can be found at the DENR website, [www.state.sd.us/denr](http://www.state.sd.us/denr).

**FARM BILL UPDATE:** Mike Kuck, NRCS, reported the new Farm Bill has given EQIP more funding and 257 EQIP contracts to date have been funded in South Dakota. The WHIP program was given \$370,000 and to date 51 applications have been funded. NRCS is working with Game Fish & Parks Department and Pheasants Forever in hiring six planners across the state using EQIP and WRP, which has received \$2.5 million. He handed out a brochure for the Conservation Security Program (CSP). Other programs coming out in 2003 are Grazing Reserve Program (GRP) and Technical Services Program (TSP).

**INFORMATION/EDUCATION PROGRAM UPDATE:** Dennis Clarke, DENR, passed out flyers for Year of Clean Water Day, October 18, 2002. He stated the 96 I&E grant final report, Using Water Wisely in the Home, and Straight Talk on Manure Spreaders are available. Other rural development and household pamphlets will be published later. Angela Ehlers reported on the new conservation website, [www.sdconservation.org](http://www.sdconservation.org). It will be a general conservation site with the information split into the different "resources" we have in the state (water quality, cropland, grassland, urban, etc). Plans are to have the site finished by December 1.

**SET NEXT MEETING DATE:** The next scheduled meeting will be March 6, 2003, 10 AM at the Pierre Elks Lodge, Pierre, SD. This is a funding round and applications for 319 funds are due to DENR-Water Resources Assistance Program by February 1, 2003.

**OTHER ITEMS:** Chairman Vallery reported on the grassland tour held in July.

**ADJOURN:** Roberta Rasmussen made a motion to adjourn. Angela Ehlers seconded.  
Motion carried.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
March 21, 2002**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance. The Chairman asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF AGENDA:** Chairman Vallery stated an executive decision was made to have a working lunch. Duane Murphey, Department of Environment and Natural Resources (DENR), asked that a report on Cochrane/Oliver be given after the Marshall County lakes assessment.

**APPROVAL OF NOVEMBER 29, 2001 MINUTES:** Motion by Jay Gilbertson, East Dakota Water Development District (EDWDD). Seconded by Angela Ehlers, SD Association of Conservation Districts (SDACD).

**MARSHALL COUNTY LAKES ASSESSMENT:** Rich Hanson, DENR, gave a report on the upcoming assessment on four lakes; 9-Mile, South Red Iron, and North and South Buffalo, in Marshall County. The total cost is \$155,000 using other federal funding sources. DENR will monitor the inflows into the lakes and water quality and will run an AGNP model to see which best management practices will be implemented.

**COCHRANE/OLIVER PROJECT:** Gene Stueven, DENR, reported implementation practices in the Lake Cochrane watershed included repairing the sediment basins, reducing animal waste entering the lake through buffers, and livestock exclusion. The local sponsor will work with local owners to encourage best management practices on tilled ground. Lake Oliver is in no real need for watershed work, however the lake will receive an alum treatment to reduce inputs of phosphorus.

**319 FY2002 GRANT OVERVIEW & STATUS:** Duane Murphey, DENR, reported the FY2002 319 funding was \$3.2 million of which we have \$2,549,194 left for this second funding round. For this funding round, the Task Force will not rank the projects, but decide which projects to fund.

**ROUND II APPLICATIONS:**

**Richmond Lake Watershed Assessment Project**

**Total Cost: \$92,050**

**319 Request: \$55,000 Grant**

Project Description: Sponsored by the McPherson County Conservation District, this project will prepare a TMDL for Richmond Lake as required by the 1998 303(d) state TMDL list.

### **Burke Lake Watershed Assessment Project**

**Total Cost: \$75,000**

**319 Request: \$45,000 Grant**

Project Description: Sponsored by the Charles Mix Conservation District, this project will prepare a TMDL for Burke Lake as required by the 1998 303(d) state TMDL list.

### **Elm Lake Watershed Restoration Project**

**Total Cost: \$1,627,572**

**319 Request: \$387,000 Grant**

Project description: Sponsored by the McPherson Conservation District in conjunction with the Brown-Marshall and Dickey (ND) conservation districts, this project will reduce phosphorous loadings to Elm Lake by 60% to meet the TMDL target. Since the watershed lies in both North and South Dakota, both states are working with McPherson Conservation District to coordinate the project activities. Best Management Practices implemented will include animal waste management facilities, nutrient management plans, grazing management systems, cropland residue management, and grassed waterways.

### **Jones Lake/Rose Hill Lake Watershed Improvement Project**

**Total Cost: \$498,070**

**319 Request: \$272,000 Grant**

Project description: Sponsored by the Hand Conservation District this project will reduce phosphorous loading to Rose Hill Lake by 20% to meet its TMDL target. Phosphorous reductions and lake shore restoration efforts will improve water quality in Jones Lake as an initial step to reach its TMDL target. Best Management Practices implemented will include animal waste management facilities, nutrient management plans, grazing management systems, and the establishment of riparian and buffer zones.

**Recommendations for funding:** DENR staff recommended funding all of the requests at the requested level. Mike Kuck, Natural Resources Conservation Services (NRCS), made a motion to approve the amounts identified on the FFY 2002 projects' list. Jay Gilbertson seconded. Nonpoint Source Task Force concurred. Jay Gilbertson and Angela Ehlers will present the projects to the Board of Water and Natural Resources (BWNR) April 11 and 12, 2002 meeting. The projects that are approved by BWNR will go on to Environmental Protection Agency (EPA) for final approval.

**CENTRAL BIG SIOUX ANIMAL WASTE PROPOSAL:** Jay Gilbertson, EDWDD, presented a draft proposal to the Task Force to use money left over from the FFY 2002 319 funds (\$1.7 million) to start implementation projects on the Central Big Sioux before assessment is concluded. Funds would be used for animal waste facilities. Communities along the river and other organizations have agreed to contribute to this proposal.

Angela Ehlers, SDACD, made a motion to reserve the balance of FFY 2002 319 funds (approximately \$1.7 million) for Central Big Sioux and Cochrane/Oliver proposed projects. Bob Gab seconded. Motion carried.

**INFORMATION/EDUCATION PROGRAM REVIEW:** Dennis Clarke, DENR, presented books purchased through SD Coop Extension for protecting groundwater and

surface water, a septic system video, and a handout listing I&E funded projects. A Stormwater Workshop will be held April 9 and 10 in Spearfish, SD. In development are a manure management practices booklet, nutrient management booklet, videos and several workshops. Anne Lewis, SD Lakes & Streams Association gave a talk on Volunteer Monitoring by South Dakota citizens. The Task Force decided the I&E Steering Committee needs to meet and come back with plans for the future. Joyce Williamson, USGS, suggested an I&E Web site.

**SHORELINE STABILIZATION GUIDANCE:** Mike Williams, Upper Big Sioux River Watershed, and Rick Smith, Lake Poinsett, gave a PowerPoint presentation for Shoreline Stabilization Guidelines. These guidelines will be used by DENR on their Web site.

**NRCS TRAINING MODULES:** Mike Kuck, NRCS, presented training modules from National Employee Development Center. They provide assistance in all phases of the design process. The modules/courses can be found at [www.nedc.nrcs.usda.gov](http://www.nedc.nrcs.usda.gov) or call the state NRCS office in Huron, SD.

**OTHER ITEMS:** The Task Force is planning a grassland tour in July.

A reminder that applications for 319 funding are due to DENR-Water Resources Assistance Program by August 1, 2002. The applications will be discussed and ranked at the September 2002 Task Force meeting.

**SET NEXT MEETING DATE:** The next scheduled meeting will be June 13, 2002, 1 PM to 4 PM, after the Conservation Commission meeting. The topic to be discussed will be on Animal Waste Systems. The meeting location will be announced later. (**Since postponed**).

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
November 29, 2001**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**AGENDA CHANGES:** Chairman Vallery stated that Duane Murphey, Department of Environment and Natural Resources (DENR), will give a report on the Bad River after approval of minutes. The Information and Education Program Report will be given at the next Task Force meeting. In its agenda place will be Schedule of Next Meeting.

**INTRODUCTION/REMARKS:** The Chairman asked those in attendance to introduce themselves and whom they represent. Carl Madsen, US Fish & Wildlife, suggested a working lunch. The group agreed.

**APPROVAL OF SEPTEMBER 20, 2001 MINUTES:** Motion by Robert Gab, SD Conservation Commission. Seconded by Angela Ehlers, SD Association of Conservation Districts (SDACD).

**BAD RIVER SEDIMENTATION:** Duane Murphey, DENR, presented the US Corps of Engineers Bad River report. The report stated sediment from the Bad River going into Lake Sharpe is now 1.95 million tons, a 40% reduction of sediment compared to 3.25 million tons before.

**BELLE FOURCHE RIVER ASSESSMENT:** Dan Hoyer and Dr. Scott Kenner, SD School of Mines, and Joyce Williamson, US Geological Survey, presented a PowerPoint report on the Belle Fourche River Assessment.

**KINGSBURY COUNTY LAKES ASSESSMENT:** Dr. Nels Troelstrup, SD State University, gave a PowerPoint presentation of the assessment of Lake Preston, Lake Thompson, and Whitewood Lake of Kingsbury County.

**CLEAR LAKE IMPLEMENTATION:** Elois Redlin, Deuel County Conservation District, reported on raising funds for the project. Leroy Stohrs, Deuel County Conservation District, presented slides on the different phases of the project.

**FIRESTEEL CREEK IMPLEMENTATION:** Dave Kringen, Firesteel Creek Coordinator, gave a PowerPoint presentation of the project.

**LAKE HENDRICKS IMPLEMENTATION:** Peg James, Assistant Conservation Manager, gave a report on Lake Henricks project.

**LAKE POINSETT IMPLEMENTATION:** Rick Smith, Project Coordinator, presented slides of before and after of Lake Poinsett area. He also presented to the Task Force a contact list for project coordinators to implement a project. Duane Murphey,

DENR, asked Rick and Mike Williams, SD Izaak Walton League, to bring back a lakeshore/bank restoration guidance to the next Task Force meeting.

**LOWER RAPID CREEK ASSESSMENT:** Dr. Scott Kenner, SD School of Mines, gave a PowerPoint presentation on the Lower Rapid Creek Assessment.

**STRATEGIC PLAN:** Angela Ehlers and Pete Jahraus, Dept. of Agriculture, presented the Strategic Plan written by the SD Conservation Districts and Conservation Commission. They asked the Task Force members to review and comment back to SDACD by December 7, 2001.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be March 21, 2002 at the Pierre Elks Lodge. The 319 funding applications and the I&E program report will be on the agenda. Applications for the 319 funds need to be received at DENR by February 1, 2002.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 20, 2001**

**CALL TO ORDER:** The Nonpoint Source Task Force Meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MARCH 22, 2001 MINUTES:** Motion by Roberta Rasmussen, SD Pork Producers Council (SDPPC), seconded by Brian Scott, SD Department of Agriculture (DOA). Motion carried.

**AGENDA ADDITION:** Chairman Vallery stated that Chuck Ullery, South Dakota State University Extension, will present a manure management video after No-Till Survey presentation.

**319 ROUND I GRANT APPLICATIONS:**

Chairman Vallery reviewed the format for 319-grant recommendation process before application presentations. The applicants each gave a presentation of their respective proposals.

**REPORTS:**

**NONPOINT SOURCE TASK FORCE TOUR OF PROJECTS:** The Task Force discussed the July tour of several 319 funded projects in eastern South Dakota arranged by Jay Gilbertson, East Dakota Water Development District.

**EPA TOUR:** Duane Murphey reported on a tour with Doug Lofstedt, SD EPA Region VIII Coordinator, The tour showed him the accomplishments 319 funds have provided.

**NO-TILL SURVEY:** Merideth Redlin, South Dakota State University, gave an overhead presentation on the No-Till Survey sent out statewide to farmers last spring. Discussion was held. Copies of the report can be found at the State Library, DENR's website, or contact Dennis Clarke (DENR).

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, reported the Septic System video will be shown January 2002 on Today's Ag. A Stormwater NPS Workshop will be held this winter. The Grazing project is up and running and a tour will be held later this fall. The touch-screen is now on a CD and ready for distribution to middle schools in October.

**MANURE MANAGEMENT VIDEO:** Chuck Ullery, SDSU Ext., showed the video "Livestock Manure Management" that was funded by 319 I&E funds.

**319 ROUND I GRANT APPLICATIONS CONTINUED:**

After discussion of each of the proposals, the Task Force made the following motions:

Chuck Ullery, SD Ext. Coop, made a motion for Lake Norden/Lake Albert to be considered for funding and ranking. Second by Roberta Rasmussen, SDPPC. Motion carried.

Angela Ehlers, SDACD, made a motion to remove Jasper Fire Area from the consideration list. Second by Duane Murphey, DENR. Vallery, SD Wheat Inc., nay. Motion carried.

Angela Ehlers, SDACD, made a motion for Cottonwood Lake/Lake Louise to be considered for funding and ranking. Second by Chuck Ullery. Motion carried.

Angela Ehlers, SDACD, made a motion for Lake Cochrane/Lake Oliver to be considered for funding and ranking for \$475,000. Chuck Ullery nay. Second by Bob Gab, Conservation Commission. Motion carried.

Chuck Ullery, SD Ext. Coop, made a motion for Improvement of Manure Management based on Soil & Runoff Phosphorus Relationships for Soils in the Upper Big Sioux Watershed to be considered for funding and ranking for \$112,000. Second by Lowell Messman, SD Farm Bureau. Motion carried.

Pat Cerney, South Central Water Development District, made a motion for all four funding proposals that are under consideration be put forth without ranking to the BWR. Second by Angela Ehlers. Motion carried.

The Task Force recommendations to the Board of Water and Natural Resources are as follows:

### **TMDL ASSESSMENT PROJECT**

Lake Norden/Lake Albert TMDL

Total Cost: \$100,000

319 Request \$60,000

**Task Force Recommendation: \$60,000 (319)** -- Recommended funding will allow preparation of required TMDLs for two lakes which are on the 1998 303(d) list. These levels fully fund the 319 portion of the TMDL assessment effort. The Hamlin County Conservation District will provide the balance of the nonfederal cost share.

Project Description: Sponsored by the Hamlin County Conservation District, this project will prepare TMDLs for Lake Norden and Lake Albert as required by the 1998 303(d) state TMDL list.

### **TMDL IMPLEMENTATION/WATERSHED PROJECTS**

Cottonwood Lake/Lake Louise Watershed Improvement Project

Total Cost: \$2,339,941

319 Request: \$475,000

**Task Force Recommendation: \$475,000** – Recommended funding will implement the TMDLs for Cottonwood Lake and Lake Louise. This level fully funds the 319 portion of the five-year implementation project. The implementation plan budget indicates that

\$44,775 will be requested from the State Conservation Commission and \$150,000 will be requested from the State Consolidated Water Facilities Construction program at a later date.

**Project Description:** Sponsored by the Hand County Conservation District, this project will reduce phosphorus inputs into Cottonwood Lake and Lake Louise to meet the TMDLs. The watersheds are in Spink, Faulk, Hand, and Hyde counties. Watershed improvement practices to be cost shared will include planned grazing systems with water development, shoreline stabilization, conservation tillage, grass seeding, and construction of manure management systems for animal feeding operations.

#### Lake Cochrane/Lake Oliver Watershed Improvement Project

Total Cost: \$121,900

319 Request: \$ 75,000

**Task Force Recommendation:** \$75,000 – Recommended funding would implement the TMDL for Lake Oliver and protect Lake Cochrane’s good water quality. This level fully funds the 319 portion of the three-year implementation project. The implementation plan budget indicates that \$7,225 will be requested from the State Conservation Commission and \$20,000 will be requested from the State Consolidated Water Facilities Construction program at a later date.

**Project Description:** Sponsored by the Deuel County Conservation District, this project will reduce in-lake phosphorus levels in Lake Oliver and reduce phosphorus loading to Lake Cochrane. The key implementation practice designed to meet the TMDL is alum treatment of Lake Oliver. Adding alum to Lake Oliver should coagulate phosphorus in the water column, and take the phosphorus to the lake bottom through settling. If the alum successfully ties this phosphorus up in the lake bottom so it will not be released again to the water column, the water quality of Lake Oliver will be improved. Additional watershed improvement practices to be cost-shared include rehabilitation of sediment retention ponds, planned grazing systems, conservation tillage, and construction of manure management systems for animal feeding operations.

### **RESEARCH/DEMONSTRATION PROJECTS**

#### BMP Evaluation for Protection of Water & Soil Resources/Jasper Fire Area

Total Cost: \$157,061

319 Request: \$ 86,122

**Task Force Recommendation:** No Funding – The project does not implement a TMDL and, therefore, is a low priority. In addition, the research addresses the impacts of catastrophic fire events rather than forestry practices that continually effect water and soil resources.

**Project Description:** The project sponsor is South Dakota School of Mines & Technology. The proposal is to study rehabilitation efforts in the Jasper Fire Area and effects upon water quality.

## **Improvement of Manure Management based on Soil & Runoff Phosphorus Relationships for Soils in the Upper Big Sioux Watershed**

Total Cost: \$199,349

319 Request: \$112,000

**Task Force Recommendation: \$112,000** – EPA is proposing in its draft regulations for confined animal feeding operations to require all states to use a phosphorus based nutrient management plan. This can be a critical change, because phosphorus based manure application rates require about 3 to 5 times more land to apply the manure than the nitrogen based application rates in use now. Therefore, requiring phosphorus based manure application rates could pose huge hurdles for both existing livestock producers and future expansion of the livestock industry. To begin preparing for phosphorus based nutrient management plans, we desperately need to collect data and increase our knowledge about phosphorus testing methods and the interactions between phosphorus and soils in South Dakota.

**Project Description:** This project is sponsored by South Dakota State University, with strong support from the South Dakota Cattlemen's Association, South Dakota Farm Bureau, the Upper Big Sioux River Watershed Project (see attached letters), the South Dakota Ag Alliance, and the South Dakota Pork Producers Council. The project has also been submitted to the U.S. Department of Agriculture for funding as well. The study will evaluate the correlation between phosphorus saturation of soils, results of soil test phosphorus, and levels of phosphorus in surface runoff from soils in the upper Big Sioux basin. The project has statewide significance because data collected will be compared to national phosphorus index data to help determine if interactions between phosphorus and South Dakota soils are different than those found in eastern and southern states, where most of the national data has been collected thus far. When compared to these other soils, it is very possible that South Dakota soils have the ability to hold more before phosphorus, but we have no data to prove it.

**DISCUSSION OF ROUND II 319 APPLICATIONS:** Duane Murphey, DENR, stated if the funding recommendations are approved, there will be money available for a subsequent 319 funding round. Staff is recommending round II applications be received by DENR - Water Resources Assistance Program by February 1, 2002. DENR will continue to work with potential project sponsors to develop viable applications for TMDL assessment and implementation efforts.

Jay Gilbertson and Angela Ehlers will take the recommendations to the Board of Water and Natural Resources (BWRN) at its October 11, 2001 meeting.

**OTHER BUSINESS:** A discussion was held on projects sending in outreach material to the Task Force. Duane Murphey will contact the project coordinators. Also, discussion was held that projects report back on a more frequent basis to the Task Force meetings.

### **REPORTS CONTINUED:**

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Brian Scott, Dept. of Agriculture, reported that the division has been being reorganized into two divisions

(Division of Wildland Fire Suppression and Division of Conservation and Forestry). The Wildland Fire Suppression Division has been moved to Rapid City.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be November 29, 2001 with location to be announced. March 21, 2002 will be the next funding round in Pierre, SD. Applications need to be sent in to DENR by February 1, 2002.

Chairman Vallery adjourned the meeting. Second by Roberta Rasmussen.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
March 22, 2001**

**CALL TO ORDER:** The Nonpoint Source Task Force Meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/OPENING REMARKS:** Chairman Vallery announced the Nonpoint Source Control Program Annual Report are available at the meeting and on the Department of Environment and Natural Resources (DENR) website. Last week, he met with Christine Todd Whitman, EPA director, in Washington, DC. She announced there would be an agricultural liaison on her staff and she will speed-up some processes.

**APPROVAL OF SEPTEMBER 21, 2000 MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts (SDACD), seconded by Roberta Rasmussen, SD Pork Producers Council (SDPPC). Motion carried.

**REPORTS:**

**MEETING WITH IOWA:** Bill Stewart, DENR, attended the Agriculture and the Environment Conference in Ames, Iowa on March 5-7. All state and federal Iowa natural resource agencies and farm production organizations attended the conference. Total Maximum Daily Loads (TMDLs) and nutrients were the main focus of the meetings. Discussions were held concerning proposed watershed assessment activities on the Big Sioux River from Sioux Falls to the mouth. Representatives from the Iowa DNR have expressed interest in a joint project to complete an assessment of this watershed and develop TMDLs on the lower Big Sioux River.

**ANIMAL NUTRIENT APPLICANT:** Pat Kuck, DENR, stated that when developing and implementing a nutrient management plan, operators do not know the amount of animal waste their spreading equipment will hold, the soil needs, what the waste has for nutrients, and how to apply it. The proposal does setup funding for five portable scales for \$9,500, people to work with producers, incentive payment available to ag waste systems built before 1998 and involved in 319 program. Discussion was held by Task Force but no action taken at this time.

**319 GRANT APPLICATIONS:**

Chairman Vallery reviewed the format for 319-grant recommendation process before application presentations.

A petition to let US Fish and Wildlife Service become a core-voting member. Moved by Jay Gilbertson, EWDD, second by Angela Ehlers, SDACD. Motion carried.

Roberta Rasmussen, SDPPC, made a motion to accept the staff recommendation of \$200,000 for the Bachelor Creek Watershed Implementation and the added conditions. Second by Chuck Ullery, SD Ext. Coop. Motion carried.

Chuck Ullery made a motion to accept the staff recommendation of \$500,000 for the Grassland Management Planning and Assistance. Second by Mark Garber, SDCGA. Motion carried.

Chuck Ullery made a motion that the Lake Pelican Project not be considered for funding at this time. Second by Roberta Rasmussen. Motion carried.

Jay Gilbertson moved to accept the staff funding recommendation of \$1,000,000 for Upper Big Sioux project by DENR staff. Second by Darrell Raschke, JRWDD. Motion carried.

Mike Kuck, NRCS, moved to accept the staff funding recommendation of \$38,000 for Wall Lake project. Second by Angela Ehlers. Motion carried.

Jay Gilbertson and Angela Ehlers will take the recommendations to the Board of Water and Natural Resources (BWNR) April 11, 2001 meeting.

The Task Force priority ranking and recommendations to the Board of Water and Natural Resources are as follows:

#### **Bachelor Creek Watershed Implementation - Moody Conservation District**

Total Cost **\$643,230**

319 Request: **\$244,600**

#### **Ranked 4 - NPS Task Force Recommends \$200,000**

**Project Description:** Sponsored by the Moody County Conservation District, this three-year project is designed to reduce nutrient, fecal coliform bacteria, and sediment loading to Bachelor Creek and the Big Sioux River. Reduction of these loads from the watershed would be accomplished through installation of agricultural best management practices and manure handling systems for livestock feeding operations, riparian area management, improved grazing management, and increased use of no till residue management on crop land.

#### **Grassland Management Planning and Assistance - Grassland Coalition**

Total Cost: **\$1,809,212**

319 Request: **\$504,145**

#### **Ranked 3 - NPS Task Force Recommends \$500,000\***

\*DENR supports putting \$150,000 of this amount under initial agreement

**Project Description:** Sponsored by the South Dakota Grassland Coalition, this five-year project is designed to improve range condition and water quality through better grazing management by increasing the availability of technical assistance to private landowners and through increased awareness and knowledge of improved grazing techniques.

## **Wall Lake Watershed Post Assessment - Minnehaha Conservation District**

Total Cost: **\$61,787**

319 Request: **\$37,005**

### **Ranked 1 - NPS Task Force Recommends \$38,000**

**Project Description:** Sponsored by the Minnehaha Conservation District, this three-year project is designed to determine the current water quality of Wall Lake and compare it to the condition of the lake prior to the watershed restoration and the dredging project implemented prior to 1995. Documentation will also be gathered to determine if watershed Best Management Practices funded during the watershed restoration project are still in place and being maintained by the landowners.

## **Upper Big Sioux River Watershed Implementation - Continuation -**

### **City of Watertown**

Total Cost: **\$1,788,601**

319 Request: **\$1,010,828**

### **Ranked 2 - NPS Task Force Recommends \$1,000,000**

**Project Description:** Sponsored by the City of Watertown, this three-year project is designed to continue reducing nutrient and sediment loads entering Lake Kampeska and the Pelican Lake sub-basin and continue a pollution prevention program for the entire project area. Reduction of nutrient loads from the watershed would be accomplished through installation of agricultural best management practices and manure handling systems for livestock feeding operations. Sediment loads from the watershed would be reduced by riparian area repair, improved grazing management, and installation of grassed waterways and small dams.

## **Lake Pelican Water Project District**

Total Cost: **\$1,939,360**

319 Request: **\$775,744**

### **Removed from ranking - NPS Task Force Recommends No Funding**

**Project Description:** Sponsored by the Lake Pelican Water Project District, this three-year project is designed to continue reduction of nutrient and sediment loads entering Lake Pelican and expand a pollution prevention program for the entire Lake Pelican Water Project District area. Reduction of sediment and nutrient loads would be accomplished through construction of grass waterways, detention dams/basins, restoration of wetlands, stream bank stabilization, and manure handling systems for animal feeding operations. Water quality would be improved by the dredging and opening of selected spring sites on Lake Pelican.

## **REPORTS CONTINUED:**

**ANNUAL STATES/EPA MEETING:** Duane Murphey reported states and EPA held discussions on the Management Plan, Grants Retrieval Tracking System (GRTS) and Endangered Species Act in Denver, CO.

**LEGISLATIVE UPDATE:** Angela Ehlers, ASDCD, reported the Omnibus Bill passed a set aside of \$300,000 for TMDL assessments. A bill to provide funding for the Hamill Dam failed and a conference is to be held on inundated lands in the Northeast part of the state.

**CORE 4:** Angela Ehlers handed out a draft brochure explaining the principles and practices of CORE 4 to integrate the environment and agricultural principals for the future of agriculture. Discussion was held with no action taken by the Task Force.

**303(d)/TMDL UPDATE:** Joan Bortnem, DENR, reported 26 of 129 TMDLs from 1998 list of non-point source related have been approved by EPA. DENR is are changing the format of the TMDLs report so everything will summarized in one document. The department has 31 TMDL on-going projects in the field and 5 more in the planning. The 2002 303(d) list is due April 1, 2002 to EPA with public review in January 2002. A methodology has to be developed by DENR and approved by EPA by then also. The new federal TMDL rules will be in effect October 1, 2002.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, reported the old touch-screen Kiosk Program is now on a CD. The CD is being field tested by math/science teachers and will be distributed to all schools later. Two items in process with SDSU are fecal coliform stream identification and a No Till Survey. Septic System video will be shown later this fall on Today's Ag.

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Pete Jahrus, Dept. of Agriculture, announced that the division is being reorganized into two divisions (Division of Fire Management and Division of Conservation and Forestry). On the national level, the National Fire Plan is being developed and different sources for money are available. Forest Stewardship Committee has completed a new draft of the Forest Stewardship. Brian Scott reported \$256,000 from Soil and Water Conservation Fund is to be awarded out at the June Conservation Commission meeting.

**NRCS UPDATE:** Mike Kuck reported Dean Fisher has been assigned to the National Oversight and Evaluation Team to work on a national conservation program. On May 20, Jay Cobb will be the new NRCS State Engineer. EQIP has been funded \$3.7 million with \$1.1 million going to statewide resource concerns and \$2.6 million going toward the priority areas. The PL-566 Program has received approximately \$368,000. Gary Coplan, NRCS, reported WRP has \$3.5 million in funding available statewide and the Emergency Watershed Floodplain program has \$2 million available for the James River Basin and \$2 million available statewide for a total funding package of \$7.5 million. There is a new Resource Conservation and Development Project in NW part of the state, which includes Corson, Dewey, Harding, Perkins, and Ziebach counties.

**OTHER BUSINESS:** Dave German, Water Resources, reported on a new study being conducted this summer on effect of water quality with current management practices of applying manure/fertilizer to fields.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be a field tour in the Brookings area with East Dakota Water Development sometime in July after the 4<sup>th</sup>.

Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 21, 2000**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, SD Association of Conservation Districts. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MINUTES OF JUNE 22, 2000:** Motion by Chuck Ullery, SDSU Coop Extension, seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**INTRODUCTION OF DOUG LOFSTEDT:** Duane Murphey, SD Department of Environment and Natural Resources (DENR), introduced Doug Lofstedt, US Environmental Protection Agency (EPA), to the Task Force. Mr. Lofstedt gave a brief work background.

**319 GRANT APPLICATIONS:** Before application presentations, Duane Murphey, DENR, reviewed the 319 grant recommendation process.

Chuck Ullery made a motion to keep on the table for priority ranking all the assessment and implementation projects as listed except Alternative Water Management Practices, Lake Pelican Water Project District, and Upper Big Sioux River Watershed Project. Rick Vallery seconded. Motion passed with one dissention.

Jay Gilbertson made a motion to reduce Kingsbury County Lakes TMDLs budget by \$22,639.85 leaving the 319 request for \$27,839.69. Chuck Ullery seconded. Motion denied.

Duane Murphey reported approximately over \$3 million pass-through money will be available for FFY 2001 319 funding, 20% of available dollars is allowed for assessment projects.

The Task Force priority ranking and recommendations are as follows:

**TMDL ASSESSMENT PROJECTS**

**Belle Fourche River TMDL**

Total Cost: **\$377,904**      319 Request **\$226,742**      Fee Fund Request: **\$75,581**

***Ranked 2 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by Belle Fourche River Partnership, this project will prepare TMDLs for the Belle Fourche River, Horse Creek, and two segments of Whitewood Creek.



is a more effective and economic alternative for reducing nonpoint source pollution from cropped fields.

### **Animal Nutrient Management Team**

Total Cost: **\$1,413,350**

319 Request: **\$592,275**

#### ***Ranked 5 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the South Dakota Association of Conservation Districts, this is a three-year continuation of this project, which began in 1990. This project provides priority design assistance to small producers on a voluntary basis in all of the conservation districts in eastern South Dakota. First priority goes to 319 funded TMDL implementation projects. Animal waste utilization plans are also developed for each animal waste system constructed with follow-up on existing systems to ensure waste is being used in a effective and efficient manner. Providing this assistance is critical to keep moving ahead with design and construction of manure handling systems for small producers in watersheds where TMDLs are being implemented.

### **Buffer Planning and Assistance Project**

Total Cost: **\$637,450**

319 Request: **\$241,550**

#### ***Ranked 1 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the South Dakota Association of Conservation Districts, this project is a three-year continuation of an existing effort that funds two technicians to provide planning, design and planting of buffer practices to landowners in eastern South Dakota. Implementation of the planned buffers is achieved through landowner and United States Department of Agriculture funding. The goal of this project is to provide accelerated planning, design and implementation of various buffer practices such as grassed waterways, filter strips, and shelterbelts. Emphasis is placed on buffers that provide stream bank protection and improve water quality. Properly designed and maintained stream-side buffers can make significant reductions in the amount of sediment and nutrients that enter the stream through runoff, which are two of our most wide-spread water quality problems in the state.

### **Enemy Swim Lake Watershed Improvement Project**

Total Cost: **\$440,487**

319 Request: **\$186,542**

#### ***Ranked 3 - NPS Task Force Recommends Full Funding***

**Project Description:** The project sponsor is the Day Conservation District. The district will implement the project concurrently with the Blue Dog Lake Project funded during 1999. Recommended funding will implement all of the practices identified as necessary to reverse a trend of declining in-lake water quality and prevent the lake from becoming an impaired waterbody. Management practices that will be installed during the project include: animal waste management systems, planned grazing systems, and grassed waterways and streamside buffer strips.

## **Lake Pelican Water Project District**

Total Cost: **\$2,438,355**

319 Request: **\$1,074,971**

***Removed from ranking - NPS Task Force Recommends No Funding***

**Project Description:** Sponsored by the Lake Pelican Water Project District, this two-year project is designed to continue reduction of nutrient and sediment loads entering Lake Pelican and expand a pollution prevention program for the entire Lake Pelican Water Project District area. Reduction of sediment and nutrient loads would be accomplished through construction of grass waterways, small detention dams/basins, restoration of wetlands, filter strips, streambank stabilization, and manure handling systems for animal feeding operations. Water quality will be improved by the dredging and opening of selected spring sites on Lake Pelican.

## **Upper Big Sioux River Watershed Project**

Total Cost: **\$2,015,000**

319 Request: **\$1,078,000**

***Removed from ranking - NPS Task Force Recommends No Funding***

**Project Description:** Sponsored by the City of Watertown, this two-year project is designed to continue reducing nutrient and sediment loads entering Lake Kampeska and the Pelican Lake sub-basin and continue a pollution prevention program for the entire project area. Reduction of nutrient loads from the watershed would be accomplished through installation of agricultural best management practices and manure handling systems for livestock feeding operations. Sediment loads from the watershed would be reduced by riparian area repair, crop residue management, and installation of grassed waterways and small dams.

**CUSTOMER SURVEY:** Duane Murphey presented the Task Force final results of the customer survey sent to project sponsors.

**I&E STRATEGY APPROVAL:** Roberta Rasmussen, SDPC, made a motion to accept the revised I&E Strategy. Jay Gilbertson seconded. Motion carried.

**ELECTIONS:** Lowell Mesman, SD Farm Bureau, nominated Rick Vallery for Chairman. Angela Ehlers moved that the nominations cease and a unanimous ballot be cast. Jay Gilbertson seconded. Motion carried.

Rick Vallery, SD Wheat, nominated Roberta Rasmussen for Vice-Chair. Jay Gilbertson moved that nominations cease and a unanimous ballot be cast. Angela Ehlers seconded. Motion carried.

## **REPORTS:**

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Brian Scott, Dept. of Agriculture, reported Conservation Commission grants were awarded in June. The fall grant awards were cancelled but plan to award grants next spring. The James River Tree Removal Project ended in August. The division is working on a cost share program

between state and private lands for the Mountain Pine Project. Ogalla Regreening Project will be planting trees September 26. The Flagpole and Jasper fires are considered FEMA fires which means the federal government will pay up to 70% of the state's cost.

**EPA UPDATE:** Doug Lofstedt, EPA, reported the Senate approved EPA's budget last week. EPA Headquarters are working on NPS success stories book. They are focusing mainly on in-stream restoration to show how 319 money has improved streams. The 319 Guidance has no change.

**303(d)/TMDL UPDATE:** Joan Bortnem, DENR, updated the Task Force on the new TMDL regulations. For more information on the final regulations, the website address is: <http://www.epa.gov/owow/tmdl/new.html>. She handed out the 303(d) Waterbody List NPS-related TMDL Development Schedule.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, handed out items that were part of the Managing Manure for Profit strategy at DakotaFest. The Touchscreen Watershed CDs will be ready for distribution in February. Several videos are being filmed for Today's AG program.

**NRCS UPDATE:** Gary Coplan, NRCS, reported the program is ending the its fiscal year. The past year, 70% of the allocated budget was spent on 19 designated priority EQIP areas. Wetland Reserve Program funded 56 contracts and Emergency Watershed Floodplains Easement Program funded 75 contracts. A few counties were approved for funding by Emergency Conservation Measure, which is based on dry weather conditions for cost share of emergency water supply. Mike Kuck, Sheila Bayer, and Gary are now working on the program part of NRCS.

#### **OTHER BUSINESS:**

Chairman Reich asked Angela Ehlers and Jay Gilbertson to present the Task Force recommendations to BWNR at the October meeting.

He announced the next round of 319 funding applications deadline is December 4, 2000, to the Department of Environment and Natural Resources.

Bruce Jacobsen, Dept. of Agriculture, reported the South Dakota Generic Pesticides and Ground Water State Management Plan has received concurrence from EPA Region VIII. It is now available for distribution. If you would like a copy, call him at 605-773-4432 and Dept. of Agriculture will send one out to you.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held January 11, 2001, 10 a.m. at the American Legion Cabin, At the Foot of Pierre Street, Pierre, SD.

Chairman Reich adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
June 22, 2000**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, SD Association of Conservation Districts, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/REMARKS:** Chairman Reich asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF MINUTES OF APRIL 20, 2000:** Roberta Rasmussen, SD Pork Council (SDPC), made a motion to approve the minutes. Pat Kuck, DENR, seconded the motion. Motion carried.

**POTENTIAL 319 APPLICATIONS:** Duane Murphey, Dept. of Environment and Natural Resources (DENR), gave an update on 319-project applications and FY 2001 money available for funding. Final date for submitting applications to DENR is August 1, 2000. It is possible that there will be a second funding round later in the year. Jim Feeney, DENR, announced the Board of Water and Natural Resources would be looking at the 319-project applications October 12 and 13, 2000, meeting in Rapid City. Rural Development Telecommunications Network (RDT Network) sites will be set up for project sponsors to attend the meeting.

**CUSTOMER SURVEY:** Duane Murphey presented the Task Force the customer survey form to be sent to our project sponsors for their response.

**I&E STRATEGY APPROVAL:** Roberta Rasmussen, SDPC, presented the I&E Strategy sub-committee's proposed changes. A discussion was held. Dennis Clarke, DENR, will revise the report and bring it back to the next Task Force meeting. See attachment of revised I&E Strategy.

**NUTRIENT MANAGEMENT I&E:** Dennis Clarke and Colette Kessler, NRCS, presented a new publication on nutrient management being produced as part of the Managing Manure for Profit and The Environment Outreach Strategy. The publication will be available for use at the SD State Fair and DakotaFest. Copies of the publication will also be placed in extension and conservation district offices.

**MISSOURI RIVER UPDATE:** Duane Murphey updated the Task Force on the Missouri River sedimentation in South Dakota.

**MONTANA WATERSHED MEETING:** Jay Gilbertson, East Dakota Water Development District, gave a report on the Rocky Mountain Watershed Coordinators' Workshop. Seven South Dakota representatives attended the workshop.

**OTHER BUSINESS:**

Pat Kuck, DENR, announced that September 19-20, 2000, a Joint North and South Dakota Coordinators' Workshop will be held in Aberdeen, South Dakota.

Jay Gilbertson reported the following 104(b) grants have been approved (1) Producers Inventory and Assessment and Environmental Prioritization of Large CAFOs in South Dakota/Cattlefeeders Council for \$100,000; (2) Producers Performance Evaluation of Manure Management Systems/Lower James RC&D for \$18,000. Regional Geographic Initiative (RGI) grants approved are (1) \$15,000 Big Sioux Outreach Project; (2) SDRC received \$4,000 for a wetlands demo project and (3) the City of Sioux Falls received \$15,000 for a video on outreach projects.

### **REPORTS:**

303(d)/TMDL UPDATE: Joan Bortnem, DENR, updated the Task Force on the latest public notices sent out on TMDLs. The Task Force asked her to put together a summary of TMDL regulations (see attachment).

INFORMATION AND EDUCATION: Dennis Clarke reported the touchscreen program is being converted to CDs at SD School of Mines. Videos on precision farming and manure best management practices are being produced at SDSU. Segments of the videos will be shown on Today's AG. DakotaFest has received an EPA Environmental Excellence Award.

RESOURCE CONSERVATION AND FORESTRY UPDATE: Brian Scott, Dept. of Agriculture (DOA), reported the Wetlands grant has been extended. The James River Dead Tree Removal is near its June 30, 2000, completion. The Conservation Commission Grants have gone through review and award letters will go out next week. The Dept. of Ag is working toward a cost share program for management of the Mountain Pine Beetle on state and private lands. FEMA has given the DOA a grant for cleaning and thinning of fire trails in hills. The Living Snowfence funds can now be used on county roads. DOA is implementing a community urban forests inventory next fiscal year.

NRCS: Leroy Holtsclaw, NRCS, announced the new administrative changes that will take place following his retirement next week. Gary Coplan, Brookings NRCS, will assume the duties of Asst. State Conservationist for Programs. Mike Kuck, NRCS, will also be stationed in Brookings as of July 1, 2000. Rod Baumberger became the Grazinglands Conservation Coordinator for the Northern Plains June 4 with his office being located in Rapid City.

EQIP has 66 applications approved for funding. Priority Areas are finishing their local sign-ups for September 30<sup>th</sup> funding. July 7<sup>th</sup> is the deadline for Priority Areas for EQIP for fiscal year 2001. For more information see NRCS' website at <http://www.sd.nrcs.usda.gov>.

### **OTHER BUSINESS (CONTINUED):**

Duane Murphey announced Doug Lofstedt would be South Dakota's Nonpoint Source Coordinator at EPA. Three 319-projects delayed because of Endangered Species Act

considerations (Clear Lake, Lake Faulkton, and Herman/Madison/Brant) are nearing EPA approval.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held September 21, 2000, 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive, Pierre, SD.

Chairman Reich adjourned the meeting.

**Nonpoint Source Task Force**  
**303(d)/Total Maximum Daily Loads (TMDL) Update**  
**June 22, 2000 Summary**

**Status - Proposed TMDL Regulations**

EPA has developed the final draft language for this controversial set of regulations and has forwarded it to the Office of Management and Budget. It is expected that the OMB review may take less than 60 days as EPA has worked with them during development of the regulations.

Major changes in the draft final regulations include:

- TMDLs to be developed within 10 years of initial listing. For SD, 2008, instead of 2013 must complete TMDLs on the 1998 list. A five-year extension may be granted if state demonstrates practicality. Demonstration test not yet defined.
- Addition of 3 elements required for approval:
  - Quantification of pollutant loads that: 1) may be present in waterbody, or 2) amount current pollutant load deviates from pollutant load needed to attain WQS. Includes all flows/seasons;
  - Identification of sources categories, subcategories or individual sources;
  - An implementation plan.
    - Scheduling priorities must be given to drinking water supplies or endangered species issues.
    - Listing methodology must be developed, noticed (60 day) and submitted to EPA by 5/1/01.
    - Implementation plans required and must contain:
      - Description of management measures or controls to be applied by source categories, source subcategories, or individual sources;
      - Description of specific actions that provide reasonable assurance that load allocations will be implemented and achieve the load reduction. "Reasonable assurance" for NPS TMDLs demonstrated by a 4-part test that includes the dedicated funding of federal and state water quality resources to the greatest extent possible. EPA can direct 100% of 106 and 319 grant funds to TMDLs.
      - Schedule to implement measures or controls within 5 years;
      - Date certain for water quality standards attainment and basis for that determination;
      - Description of interim measurable milestones and process for stronger measures;
      - Monitoring plan to measure effectiveness of implementing and progress towards attainment;
      - Criteria to demonstrate substantial progress;
- Pollution sources expanded to include point sources, nonpoint sources, stormwater (not requiring a NPDES permit), ground water and atmospheric

deposition. Some level of source identification required to document implementation and WQS attainment;

- If threatened waters are in list, a TMDL is required;
- TMDLs not removed from list until WQS attained;
- NPS BMPs re-defined into Best Available Technology (BAT) controls;
- Substantial progress in schedule must be consistently demonstrated;

Previous language addressing forestry has been set aside into separate regulations and is expected to be noticed Sept/Oct.

### **Status - TMDL Legislation**

Flurry of activity from all sectors trying to change or delay EPA regulations. Brief discussion on Sen. Wyden proposal to move requirement of implementation plans from 303(d) to 303(e).

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
April 20, 2000**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice-Chairman Roberta Rasmussen, S D Pork Producers Council, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Vice-Chairman Rasmussen asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF MINUTES OF DECEMBER 9, 1999:** Jay Gilbertson, East Dakota Water Development District (EDWDD), made the motion to approve the minutes. Lowell Mesman, SD Farm Bureau, seconded the motion. Motion carried.

**APPROVAL OF REVISED NPS MANAGEMENT PLAN:** Duane Murphey, SD Dept. of Environment and Natural Resources (DENR) reported US EPA approved South Dakota's revised Management Plan on March 30, 2000. The Plan can be found on our website [www.state.sd.us/denr/watershed](http://www.state.sd.us/denr/watershed) or call Lois Docken at 605-773-4254 for a copy.

**319 PROJECT APPROVALS, ESA, 2001 APPLICATIONS:** Duane Murphey, DENR, reported EPA has approved the Project Implementation Plans on the following projects: South Central Lakes, Jones/Rosehill, Medicine Creek, Dakota Central, North Central Big Sioux, East Oakwood, White Lake, and Blue Dog. Endangered Species Act has heldup/slowed the approval of these projects: Clear Lake, Lake Faulkton, and Herman/Madison/Brant. Duane recommends that applications for the 2001 319 project funds be into DENR-Water Resources Assistance Program by July 1, 2000, for staff review. August 1, 2000, is the final due date to DENR.

**ROCKY MOUNTAIN ROUNDTABLE:** Jay Gilbertson, EDWDD, presented a brochure for Rocky Mountain Watershed Coordinators' Workshop Roundtable to be held in Montana May 15 – May 17, 2000.

**RIVERSIDE REPORT, PRONSOLINO, CBEP, FUNDING GUIDE, FINAL REPORTS, BMP TRACKING, AFO CONFERENCE:** Duane Murphey attended the national Nonpoint Source conference and gave reports on the above items.

**MISSOURI RIVER UPDATE:** Duane reported Senator Dashcle has introduced legislation, Missouri River Restoration Act of 2000, which establishes a 200 million dollar trust fund directed by South Dakota control.

**CUSTOMER SURVEY:** Duane drafted a customer survey for the NPS Task Force to comment on.

**REPORTS:**

**303(d)/TMDL UPDATE:** Joan Bortnem, DENR, reported on the proposed EPA TMDL regulations and volume of public comment received. One major issue in the proposed

regulations is the requirement of an implementation plan in each TMDL. Current efforts in SD include five TMDLs going out on Public Notice May 5, 2000.

**I&E STRATEGY COMMITTEE:** Roberta Rasmussen presented the results of the I&E Strategy sub-committee. Further action was deferred till the next Task Force meeting.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, presented new I&E items that are available. He announced a Septic System Workshop is to be held in Rapid City, May 16 and 25. The Managing Manure for Profit and the Environment will be set up at the Dakota Fest in Mitchell, SD, August 15-17. SD School of Mines is converting the Kiosk to a CD. Applications for I&E funding deadline are July 1, 2000 (See Dennis for more information).

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Ray Sowers, SD Dept. of Agriculture (DOA), gave an update on the Spencer Tree Planting Project. The DOA is starting another tree planting project in Ogalla since the tornado disaster from last summer. The James River Project has a majority of the tree removal completed with the exception of Brown County. The tree planting along the James River is expected to be completed in Mid-June. He displayed a map that showed the infestation of the Mountain Pine Beetle.

**NRCS:** Mike Kuck, Natural Resource Conservation Service (NRCS), announced CORE 4 Training has started in Rapid City for NRCS, district and extension personnel with more sessions being held later on. The statewide EQIP applications will be written next week. Applications for Priority Areas are now being accepted at NRCS' offices.

**OTHER BUSINESS:** Bob Gab, Conservation Commission, reported that project funding is June 8, 2000.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held June 22, 2000, 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive, Pierre, SD.

Rob Gab made a motion to adjourn. Jay Gilbertson seconded the motion.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
Pierre, South Dakota  
December 9, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, SD Association of Conservation Districts (SDACD), at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Reich asked those in attendance to introduce themselves and whom they represent. He announced there were extra copies of the Nonpoint Source Control Program Annual Report available.

**APPROVAL OF MINUTES OF OCTOBER 28, 1999:** Roberta Rasmussen, SD Pork Producers Council, made the motion to approve the minutes. Jay Gilbertson, East Dakota Water Development District (EDWDD), seconded the motion. Motion carried.

**PHOSPHOROUS PRESENTATION:** Bill Stewart, SD Dept. of Environment and Natural Resources (DENR), gave a powerpoint slide presentation on different forms of phosphorous. See enclosed slide report.

**ECOREGION PRESENTATION:** Bill Stewart, SD Dept. of Environment and Natural Resources (DENR), gave a powerpoint slide presentation on South Dakota's Ecoregions. See enclosed slide report.

**INFORMATION & EDUCATION COMMITTEE:** Jay Gilbertson, EDWDD, reported the new function of the Committee is to include information and education activities within funded projects. Duane Murphey, DENR, stated there are also other available sources for I&E funds such as EQIP, PPIS and Conservation Commission. Chairman Reich appointed Vice-Chair Roberta Rasmussen, Jay Gilbertson, and Mike Kuck to meet before the next meeting to draft a proposal of how the I&E Committee wants to direct their emphasis.

**MANAGED INTENSIVE GRAZING SYSTEMS:** Ron Ogren, SD Grassland Coalition, and John Deppe, Lower James RC& D, explained the goal of the Management Intensive Grassland Grazing Systems Project. The goal is to support South Dakota Grassland Managers in establishing and monitoring (6) on-ranch "management intensive grazing systems and to disseminate results to other rancher, researchers, grassland specialists and the public. For more information see their web site ([www.sdgrass.org](http://www.sdgrass.org)).

**REPORTS:**

**319 UPDATE:** Duane Murphey, DENR, reported that EPA (1) is sending back comments on the 319 PIPs; (2) has changed the distribution of funding at the national level giving South Dakota \$30,000 less of 319 funds; and (3) is looking at changes made to the Management Plan before approving it.

**NRCS:** Mike Kuck, NRCS, reported on the meeting "Discussion on sedimentation in the Missouri River Reservoirs" held in Washington, DC. A concept paper developed at the request of Senator Daschle will be available later from the SD State NRCS office in Huron.

**OTHER BUSINESS:** Mike Schmidt is no longer the secretary for the SD Cattlemen's Association; all correspondence should be sent to PO Box 314, Kennebec, SD 57544. Terry Plucker will be representing the South Dakota Association of Rural Water Systems at the NPS Task Force meetings.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held April 20, 1999, 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive, Pierre, SD.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
October 28, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice-Chairman Roberta Rasmussen, SD Pork Producers Council, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Vice-Chairman Rasmussen asked that everyone in attendance introduce themselves and whom they represent.

**APPROVAL OF MINUTES OF SEPTEMBER 30, 1999:** Mike Kuck, Natural Resource Conservation Service (NRCS), made a correction to the NRCS report to read "last day to obligate for 1999 funds for WHIP and EQIP". Jay Gilbertson, East Dakota Water Development District (EDWDD), made the motion to approve the minutes. Mike Kuck seconded the motion. Motion carried.

**NONPOINT SOURCE WATER POLLUTION CONTROL MANAGEMENT PROGRAM PLAN:** Jay Gilbertson, EDWDD, read comments the sub-committee wrote regarding the draft NPS Management Plan. The Task Force held a discussion on the comments. Angela Ehlers, SDACD, made a motion to approve the NPS Management Plan with the recommendations made by the sub-committee. Robert Gab seconded the motion. Motion carried. The revised NPS Management Plan will be sent out with an attached sheet noting the changes.

**I&E STRATEGY:** Dennis Clarke, DENR, stated the focus of the I&E Strategy priority issues are AFO/CAFOs and TMDLs. The projects listed on page 3 in the matrix are those in progress, on going, and in planning stages. The principal project partners are identified for each project. At the next Task Force meeting, a new I&E committee will be appointed. Angela Ehlers, SDACD, made a motion that a work item be attached to the NPS Management Plan, that the Task Force will review the I&E Strategy, and will submit a final in six months. Mike Kuck seconded the motion. Motion carried.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held December 9, 1999, 10 a.m. at the American Legion Cabin, at the Foot of Pierre Street, Pierre, SD.

Angela Ehlers made a motion to adjourn the meeting. Mike Kuck seconded the motion.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 30, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice-Chairman Roberta Rasmussen, SD Pork Producers Council, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/REMARKS:** Vice-Chairman Rasmussen asked that everyone in attendance introduce themselves and whom they represent. She then explained the process the Non-Point Source Task Force will review and rank the submitted 319 grant applications.

**APPROVAL OF MINUTES OF MAY 27, 1999:** Dave Hauschild, SD Water Congress, made the motion to approve the minutes. Jay Gilbertson, East Dakota Water Development District (EDWDD), seconds the motion.

**EPA PROGRAM STAFF:** Brent Truskowski and Debra Lebow, EPA Region VIII personnel, gave a short talk on their EPA offices.

**319 APPLICATIONS REVIEW AND RANKING:** The Task Force reviewed applications for FFY 2000 319 funds and ranked their recommendations for the Board of Water and Natural Resources. The Task Force nominated Angela Ehlers, SDACD, and Jay Gilbertson, EDWDD, to present the 319 funding requests to the Board of Water and Natural Resources on October 7.

**NONPOINT SOURCE TASK FORCE  
RANKING OF FY2000 319 APPLICATIONS  
(LOWEST NUMBER IS HIGHEST PRIORITY)**

TMDL / Assessments Projects	319 Requested	319 Recommended	Task Force Rank
Dakota Central Watershed	\$52,320	\$52,320	6
Jones Lake/Rosehill Lake Watershed	\$74,370	\$74,370	5
Medicine Creek Watershed	\$101,796	\$101,796	3
No-Central Big Sioux/E. Oakwood Lake	\$162,153	\$162,153	4
So. Central Lakes Watershed	\$113,663	\$113,663	2
White Lake	\$66,786	\$66,786	9

Implementation Projects			
Blue Dog Lake Watershed	\$380,387	\$375,000	1
Clear Lake Watershed	\$718,354	\$623,354	10
Lake Faulkton Watershed	\$718,710	\$673,710	8
Lake Herman/Madison/Brant Watershed	\$790,745	\$765,745	7
Precision Farming Demonstration	\$95,469	\$95,469	11
Whitewood Creek Demonstration	\$177,250	\$0	12

**APPROVAL OF REVISED NPS MANAGEMENT PLAN:** Duane Murphey, Department of Environment and Natural Resources (DENR), explained the Nonpoint Source Management Plan must meet nine key elements, be revised, and approved by the NPS Task Force and EPA before DENR can receive incremental money from EPA.

Dennis Clarke, DENR, explained the Information & Education (I&E) Strategy, an appendix to the Management Plan. Dave Hauschild made a motion to approve the I&E strategy. Chuck Ullery seconds the motion.

Chuck Ullery, SD Extension Services, made a motion a committee is set up that will come forward at the next Task Force meeting with recommendations on the NPS Management Plan in October. Martin Jarrett, SD Rural Water Systems, seconds the motion. The committee will be Dave Hauschild, Chuck Ullery, Rick Vallery, Jay Gilbertson, and Martin Jarrett. Send all written comments to Jay Gilbertson or Lois Docken before the October 28<sup>th</sup> Task Force meeting.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held October 28, 1999, 10 a.m. at the Elks Lodge located at 125 W. Pleasant Drive, Pierre, SD.

**REPORTS:**

**Resource conservation and foresry update:** Brian Scott, Dept. of Agriculture, reported October 1, 1999 is the deadline for Conservation Commission Grant applications to be in for the \$326,000 available funds.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, reported the following projects are being finalized: a BMP video, workplans for site specific and phosphates grants, and Citizen Monitoring project.

**NRCS:** Mike Kuck, Natural Resource Conservation Service, told the Task Force today was the last day to sign up for WHIP and EQIP. January 18, 2000 through February 11, 2000 will be the next sign-up for CRP.

**OTHER BUSINESS:**

Pat Kuck, DENR, gave an update on Firesteel Creek project. Duane Murphey, DENR, updated the Task Force on the Bad River Project.

Angela Ehlers, SDACD, made a motion to adjourn the meeting. Chuck Ullery seconds the motion.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
May 27, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MINUTES OF MARCH 4, 1999:** Dave Hauschild, SD Water Congress, made a motion to approve the minutes. Jay Gilbertson, East Dakota Water Development District (EDWDD), seconds the motion.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich reported told he had written to the South Dakota Congressional delegation in Washington, DC regarding the Task Force's support for 319 and EQIP funding. He has received responses back from Tom Daschle and Pearle Reed, NRCS, thanking the Task Force for our support and assuring us that we have their support.

He then asked everyone to introduce themselves and write their e-mail address, if they have one, by their name on the mailing list being passed around. In the future, members that have e-mail will be receiving the NPS Task Force mailings by this mode of communication.

**TMDL UPDATE:** Joan Bortnem, SD Dept. of Environment and Natural Resources (DENR), reported that eleven TMDLs were submitted to EPA before the April 1, 1999 deadline. DENR is planning to have 46 TMDLs submitted to EPA by the year 2002.

**RIPARIAN DEMONSTRATION PROJECT:** Jack Majeres, Moody County Conservation District, gave a final report on the East River Riparian Demonstration Project.

**ANIMAL NUTRIENT TEAM PROJECT:** Angela Ehlers, SDACD, introduced Matt Morgan and Ron Adamson who have been hired as buffer salesmen for the Animal Nutrient Team Project.

The Animal Nutrient Team will be sponsoring a walk-through exhibit at DakotaFest on managing manure for profit to be held in Mitchell, August 17-19, 1999.

**NPS GROUND WATER MONITORING PROJECT:** Stan Pence, Geological Survey, gave an overhead presentation on the statewide ground water quality monitoring network.

**319 APPLICATION AND REVIEW REQUIREMENTS:** Duane Murphey, DENR, and Jay Gilbertson, EDWDD, presented a procedure for review and consideration of applications for 319 funds. After a short discussion, Chuck Ullery, SD Extension Service, made a motion to adopt the 319 Grant Application, Review and Recommendation Process with the change to Number 4. Application Presentation – Each project is allocated 5 minutes for a brief, explanatory presentation. Roberta Rasmussen, SD Pork

Producers, second the motion. Motion was carried. See enclosed "319 Grant Process Sheet". Applicants are requested to provide DENR staff with draft applications by July 1, 1999 so they can work with them to improve final applications, which are due to DENR, by August 1, 1999. The Task Force will meet in Pierre, September 30, 1999 to consider applications for FY 2000 funds.

## **REPORTS:**

**Information and Education:** Dennis Clarke, DENR, reported No-Till, Volunteer Monitoring, and Manure Management BMPs grants have been extended for one year. The department is purchasing a new display board for use at conferences. Projects to be completed in the next few months are the Kiosk touchscreen to CD conversion and the printing of the CRM manual.

**Resource Conservation and Forestry Update:** Pete Jahraus, Dept. of Agriculture, reported the Coordinated Soil and Water Grants would be brought before the Conservation Commission on June 3, 1999. James River Tree Removal letters have been sent out to those that have been approved for funding. The updated Conservation Directory will be ready after June 1.

**NRCS:** Mike Kuck, Natural Resource Conservation Service, reported that \$3.4 million has gone out to EQIP projects. September 1<sup>st</sup> all approved EQIP applicants must be in the FSA system or funds are pulled. Priority Area Proposals are due June 14 and will be reviewed by the State Technical Committee soon after that. He handed out the Ranking Sheet.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held September 30, 1999, 10 a. m. at the Elks Lodge located at 125 W. Pleasant Drive, Pierre, SD.

### **Non-Point Source Task Force**

#### **319 Grant Application, Review and Recommendation Process**

#### **Approved by the South Dakota Non-Point Source Task Force, May 27, 1999**

1. Application Deadline - Whatever the date chosen by the Task Force, it must be adhered to. Applications post-marked after this date should be returned.
2. Completeness Review - As soon as an application is submitted, DENR staff determine whether or not the application is complete. There is written guidance available that defines what constitutes a complete application. If there are minor deficiencies or omissions, DENR can request that the applicant provide the needed information in a timely manner. However, applications that are missing major elements should be rejected.
3. Distribution of Applications to Task Force - Following the Completeness Review, applications are to be distributed to the Task Force representatives within two weeks.
4. Project/Application Review by the Task Force - Prior to making any decisions on the requests, the Task Force shall review the projects.

A. Applicant Presentation - Each project is allocated 5 minutes for a brief, explanatory presentation. Questions from Task Force representatives are limited to specific facts or procedures. All projects are presented at this time.

B. Short, follow-up question and answer session for each project - This is the opportunity for Task Force members to ask more conceptual or philosophical questions, or to follow-up on questions from the earlier session.

5. Task Force Decisions - Three decisions will be made, in the following order, for each project.

A. Should the project be considered for support? The Task Force must first decide whether or not each project should be eligible for any level of support.

B. Are the projects acceptable as submitted, or should changes be made? The Task Force should determine if the project should be considered as presented, or if changes to the project are needed/desired.

C. Priority Ranking. Each Task Force representative ranks the projects as approved in Steps A and B. DENR staff collate the results, and the Task Force recommendation to the BWNR is determined.

6. Task Force Recommendations to the BWNR - The decisions of the Task Force should be presented to the Board of Water and Natural Resources by the Chairman, or a designated representative. DENR staff should not make this presentation.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
520 S. Pierre St.  
Pierre, South Dakota  
March 4, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Duane Murphey, DENR Nonpoint Source Coordinator, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Duane Murphey welcomed everyone to the meeting and asked them to introduce themselves. He told the attendees that Roberta Rasmussen, vice chairperson for NPS Task Force, was unable to attend due to illness.

**APPROVAL OF MINUTES OF DECEMBER 10, 1998:** Jay Gilbertson, East Dakota Water Development District, had a correction to Mike Schmidt's motion requesting someone from Board of Water and Natural Resources or an individual from DENR provide details to the comment in a letter from Secretary Myers dated October 16, 1998. The minutes should show that Roberta Rasmussen, seconded the motion. Pat Kuck, DENR, made a motion to approve the corrected minutes. Steve Waters, South Dakota Corn Growers Association, second the motion.

**PROGRAM REORGANIZATION:** Duane Murphey introduced Jim Feeney, Natural Resource Administrator for the new DENR Water Resources Assistance Program. Mr. Feeney gave an overhead presentation of the new program which the combined programs of Watershed Protection and Water and Waste Funding.

**LEGISLATIVE UPDATE:** Jim Feeney, DENR and Angela Ehlers, South Dakota Associated Conservation District (SDACD), gave an update on the various legislative bills that would affect the program.

**TMDL UPDATE:** Joan Bortnem, DENR, gave an update on TMDL reporting to EPA. Five TMDL projects can be found on department's web site ([www.state.sd.us/denr](http://www.state.sd.us/denr)) by clicking on watershed protection icon then the TMDL icon.

**ASSESSMENT/TMDL PROJECTS:** Dave Templeton, DENR, gave an overhead presentation on the funding of assessment/TMDL projects. The legislature has approved a \$3 million cap to pass through for nonpoint source activities. To exceed this cap and accommodate additional federal funds, legislative approval would be necessary. A maximum of twenty percent of 319 grants to the state can be used for program development including assessments and TMDLs. Although we are now getting more 319 funds, the 303(d) impaired waterbody list and subsequent TMDLs have greatly accelerated the program needs. Dave Templeton used the following overheads to explain how many funds will be available per project request as an average based on the TMDL schedule for the next twelve years. Considerable discussion followed about the amount of funds available, targeting funds to BMPs, and project watershed size versus project phasing.

## **ASSESSMENT/TMDL PROJECTS**

### **Funding**

\$3.0 million cap on pass-through nonpoint source funds (46A-1-95)

FFY 1999 Section 319, 604 (b), Pollution Prevention total - \$3,366,000

20 Percent cap for Assessment/TMDLs - \$650,000

Need average of 10 TMDLs/year to accomplish 1998 303(d) listing (Note: August 1 deadline to apply)

\$650,000 federal – average cost/TMDL = \$108,000

\$150,000 Omnibus Bill appropriation – uses

\$2,300,000/year for ALL other activities

Example – If we have 8 assessments/year that pursue implementation

-Average 319 grant - \$287,000 Federal (\$480,000 total) per implementation project

Fall 1999 – 5 applications for implementation are expected

-\$460,000 Federal (\$770,000 total)

### **Current DENR Activities:**

Meeting with potential local sponsors to line up assessments/TMDLs for August 1999 application deadline (need 10).

In-house group review of each assessment/TMDL prior to public notice and submittal to EPA.

Work with local sponsor to develop a realistic, non-phased, fundable workplan

Goal is to receive EPA approval of our assessment/TMDL before awarding implementation funds.

Post-implementation monitoring to verify results.

**FIRESTEEL CREEK:** Gene Stueven, DENR, gave an overhead presentation on Firesteel Creek. The presentation showed how to do an assessment / TMDL and then move to implementation of a project.

**LAKES MADISON & BRANT:** Alan Wittmuss, DENR, gave an overhead presentation on Lakes Madison and Brant.

### **REPORTS:**

**Information & Education:** Dennis Clarke, DENR, reported there is possible funding available through a Water and Watershed Research grant with the goal to develop and improve understanding of the natural and anthropogenic processes that govern the quantity, quality, and availability of water resources in natural and human-dominated systems. Due date is May 28, 1999. Funding is also available from River Network's Watershed Assistance Grants (WAG). It supports innovative efforts that build the capacity of community-based partnerships to conserve or restore watersheds. Due date is June 15, 1999. For more information, call Dennis Clarke, at 605-773-4254.

Phosphorus in Manure and Precision Farming Technology Transfer P2 grant applications have been sent to EPA. No-Till Project is using RDTN as a learning tool. SDSU's Today Ag program will be showing short videos on manure, manure handling, land application, water quality improvement, and odor control. Spearfish Source Water Protection video was shown to the Task Force.

**Riparian Management Strategy:** Pat Kuck reported East River Riparian Project closed on February 28, 1999. The project involved 17 counties in eastern South Dakota, which included 18 demonstration sites, cross fencing, livestock exclusion, livestock crossing, dugouts and stock dams, pasture pumps, and grass seeding since March 1993. Ron Ogren, Grassland Coalition, will be the contact for tours through the demonstration sites.

**Resource Conservation and Forestry Update:** Pete Jahraus, Department of Agriculture, reported Coordinated Soil & Water Grant deadline is April 1<sup>st</sup>. The Conservation Commission is currently in the process of revising the grant review procedures. He passed maps of the Governor's James River Tree Removal and Planting sites. The division is in the process of revising the Statewide Strategic plan.

**NRCS:** Mike Kuck, Natural Resource Conservation Service, passed handouts of Fact Sheet on Technical Services for Animal Feeding Operations. He asked that the Task Force to read and send comments to the State NRCS office in Huron by March 22. He also gave an overhead presentation on Environmental Quality Incentives Program funding. EQIP will have a continuous sign-up this year with two ranking periods. A discussion was held on technical assistance through NRCS. Mike Schmidt, SD Cattlemen's Association, made a motion to support increasing NRCS budget by \$300 million. Lowell Mesman, second. All approved.

**OTHER BUSINESS:** Duane Murphey reminded everyone that draft applications for 319 grants should be in DENR by July 1. This would allow for DENR review and comment to the sponsor before formal application. The final deadline for the 319 application to DENR is August 1.

Grasslands Coalition requested to become a voting member of the Nonpoint Task Force. Angela Ehlers, SDACD, made a motion to move to accept Grasslands Coalition as a voting member. Mike Schmidt, SD Cattlemen's Association, second. All approved.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held May 27, 1999, 10 a.m. at the Elks Lodge located 125 W. Pleasant Drive, Pierre, SD.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
520 S. Pierre St.  
Pierre, South Dakota  
December 10, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10 a.m. See the attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF AGENDA & MINUTES OF SEPTEMBER 17, 1998:** Roberta Rasmussen, South Dakota Pork Producers Council, made a motion to approve the minutes and agenda as sent. Jay Gilbertson, East Dakota Water Development District, second. Motion carried.

**TMDL UPDATE:** Tim Bjork, South Dakota Dept. of Environment and Natural Resources (DENR), reported twenty two TMDLs are scheduled to be completed by April 2000. The TMDLs ranking as Priority #1 on the 303(d) impaired water list are the ones to be completed first. Also, new 319 funds must be focused on EPA's Unified Watershed Assessment priorities.

**319 PROGRAM UPDATE/CLEAN WATER ACTION PLAN:** Duane Murphey, DENR, reported EPA has published strategy documents for portions of the Clean Water Action Plan including animal waste, unified water assessment, beach, conservation, containmenation, and fish safety. They can be accessed through the EPA website.

He reported on his presentation of funding through South Dakota's State Revolving Fund in November at EPA's Regional Conference.

With a doubling of 319 funds nationally, there are 200 million dollars allocated to the states through the Clean Water Action Fund. The amount targeted for South Dakota is \$3,266,400 this year.

**319 GRANTS:** Duane Murphey, DENR, reported the Board of Water and Natural Resources (BWNR) approved the following 319 funding to be submitted to EPA as such: Grand River Watershed Assessment/TMDL Development - \$33,076; Lakes Cochrane and Oliver Assessment/TMDL Development - \$43,404; Moccasin Creek Assessment - \$66,420; BMP Demonstration for Control of Stormwater Runoff to Rapid Creek - \$56,965; and Lower Rapid Creek TMDL Development - \$45,855. Lake Mitchell Watershed/Firesteel Creek Amendment and Bad River Phase III Amendment to be deferred until the next BWNR meeting.

Tim Bjork, DENR, stated that EPA would have more 319 funds available after January 16, 1999. DENR will recommend Big Sioux River, Bear Butte, and 2 or 3 other implementations (Lake Poinsett, Lake Faulkton, and Clear Lake) for funding. EPA must receive applications for the additional 319 funds by January 16, 1999. Therefore, the

regular application and review process must be shortened this time. DENR will send a list of approved projects to the Nonpoint Source Task Force when available.

A discussion regarding the non-approval of 319 funding for the research proposal "Best Management Practices for Land Application of Manure to Reduce Phosphorus Loading of Surface Water Resources". Mike Schmidt, SD Cattleman's Association, made a motion requesting that some one from the Board of Water and Natural Resources or an individual from the Department of Environment & Natural Resources (DENR) provide details to the comment in the letter from Secretary Myers to Mike Schmidt dated October 16, 1998, referring to the rejection of the request for 319 funding to research the "Best Management Practices for Land Application of Manure to Reduce Phosphorus Loading of Surface Water Resources". The letter states in part that "a great deal of research had already been done on the subject". Chairman Reich asked for a vote on the motion. Motion carried.

**ANIMAL FEEDING OPERATION STRATEGY:** Mike Kuck, Natural Resource Conservation Service (NRCS), reported that the Unified National Strategy for Animal Feeding Operations draft has to have comments sent to Washington, DC, by January 19, 1999. It will outline guiding principles for AFOs and CAFOs and will have significant impacts on producers and the environment. For more information, you can look up on the Internet at this address – [www.nhq.nres.usda.gov/epa](http://www.nhq.nres.usda.gov/epa).

#### **REPORTS:**

**Information & Education:** Dennis Clarke, DENR, reported the Kiosk CD project is still being implemented. A Grassland Conference will be held in July, more information will be available later. The Department is updating Project SAVE to make it available through DENR's Internet homepage. SD Public TV is producing an environmental video about confined feeding. DENR will be sending them out to all libraries, conservation districts, and other interested parties after January 1999.

**Riparian Management Strategy:** Pat Kuck, DENR/NRCS, reported to the Task Force there are two job openings through the SDACD for Riparian Buffer Technicians. Their main duties would be to give on-site technical assistance regarding riparian areas. The East Riparian project is coming to a close.

**Resource Conservation and Forestry Update:** Pete Jahraus, Department of Agriculture (DOA), gave an update on the Resource Conservation and Forestry Program. On December 14, 1998, a Community Forest Plan will be drawn up for planting trees in Spencer, South Dakota; since most of the trees were destroyed by a tornado that went through the town in May, 1998.

**NRCS:** Mike Kuck, NRCS, told the Task Force their budget is back from Washington, DC, and it has been cut. Digital Ortho Quads have been ordered for the whole state.

#### **OTHER BUSINESS:**

Angela Ehlers, SDACD, will be a presenter for the Animal Waste Team at EPA's Conference in Denver, CO, later this month.

Chuck Ullery, South Dakota State University Cooperative Extension Service, explained the Environmental Training for Livestock Producers classes. This is a requirement for producers to receive a livestock permit from DENR.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held March 4, 1999, 10 a.m. at the Pierre American Legion Cabin.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
520 S. Pierre St.  
Pierre, South Dakota  
September 17, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10 a.m. See the attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich welcomed everyone to the meeting and asked them to introduce themselves. He stated project proposal would be allowed ten minutes to give their presentation and five minutes to answer questions from the audience.

**APPROVAL OF AGENDA & MINUTES OF JULY 23, 1998:** Roberta Rasmussen, South Dakota Pork Producers Council, made a motion to approve the minutes and agenda as sent. Rick Vallery, South Dakota Wheat, Inc., second. Motion passed.

**RANKING OF 319 APPLICATIONS:  
Summary of each proposal:**

**Pelican Lake Watershed Project: \$355,000**

This is a three-year project sponsored by the Pelican Lake Water Project District. The project includes dredging 100,000 cubic yards of silt from Lake Pelican and implementation of dams, wetland protection, buffer strips, and stream bank protection in the watershed.

**Management Zone Based Precision Farming: \$315,000**

This is a three-year project sponsored by the Northern Brown Soil Conservation District. The goal is to demonstrate the effectiveness of management zone based precision farming on 40 farms.

**Whitewood Creek Demonstration Project: \$177,050**

The Lawrence County Conservation District sponsors this two-year project. It will demonstrate bank stabilization at four sites, establish a program to demonstrate healthy urban and rural riparian areas, develop a watershed plan, and develop an information and education program for the entire Whitewood Creek area.

**Site Specific Farming Demonstration Trials: \$86,236**

This three-year project will provide precision farming training and education opportunities for the general agricultural community. Hands on workshops will be conducted and on farm studies will be conducted to field test BMPs. The project sponsor is the SDSU Plant Science Department.

**Lower Rapid Creek TMDL Development: \$45,855**

This request is to fund a two-year project to conduct an assessment and develop a Total Maximum Daily Load (TMDL) for Rapid Creek from Rapid City to the Cheyenne River

confluence. The project is a joint effort between the School of Mines and Technology, City of Rapid City, and the Proctor and Gamble Corporation.

**BMP Demonstration for Control of Stormwater Runoff to Rapid Creek: \$56,965**

The South Dakota School of Mines and Technology sponsor this project in conjunction with the City of Rapid City. The goal is to reduce pollutant loading to the biologically sensitive reaches of Rapid Creek in West Rapid City. The strategy that will be developed in the Wonderland drainage basin will then be implemented in other areas of Rapid City impacted by urban growth.

**Grand River Watershed Assessment / TMDL Development: \$33,076**

This two-year project is intended to locate and document nonpoint sources of water pollution in the watershed, develop a TMDL, and produce feasible restoration alternatives in a two-year period. The primary goal is the reduction of sediment loading to Shadehill Reservoir.

**Moccasin Creek Assessment: \$66,420**

The City of Aberdeen sponsors this project. It is intended to locate and document nonpoint sources of water pollution in the watershed and produce feasible restoration alternatives in a two-year period. The pollutant of most concern is sediment.

**Lakes Cochrane and Oliver Assessment / TMDL Development: \$43,404**

This is a one-year watershed assessment project sponsored by the Deuel Conservation District to locate and document nonpoint sources of water pollution in the watershed, develop a TMDL, and produce feasible restoration alternatives. The project will assess the effect, if any, Lake Oliver is having on Lake Cochrane.

**Lake Mitchell Watershed / Firesteel Creek Amendment: \$342,000**

This is a continuation of the watershed project sponsored by the Davison Conservation District, which was initiated last year. The goal is to reduce phosphorus loading to Lake Mitchell, which is the drinking water supply for the city of Mitchell. The project is ahead of schedule and landowner responses have exceeded available funds. The request funds the project for three years.

**Bad River Phase III Amendment: \$350,000**

This is a three-year continuation of the water quality project in the Lower Bad River. Better than planned landowner response has resulted in all available funds being spent or obligated.

**BMPs for Manure Phosphorus Loading: \$534,018**

The South Dakota Association of Conservation Districts sponsors project. It is a demonstration, evaluation, education, and monitoring program to raise awareness of best management practices for land application of manure to reduce phosphorus loading to waters. The request is for the first three years of the five-year program.

**REPORTS:**

**Information and Education:**

Dennis Clarke, South Dakota Department of Environment and Natural Resources (DENR), reported the Citizen Monitoring Guide is available again. Also, he reminded

everyone that Peaks to Prairie Watershed Conference starts September 27, 1998, in Rapid City.

**OTHER BUSINESS:**

Roberta Rasmussen, Swan Lake Restoration, thanked everyone that helped to complete and make the Swan Lake project a success.

Martin Jerrid, South Dakota Rural Water Association (SDRWA), came before the Task Force requesting the association become a voting member. Dave Hauschild, South Dakota Water Congress, made a motion that South Dakota Rural Water Association becomes a member of the Nonpoint Source Task Force. Chuck Ullery, SDSU Extension Service, second. Denny Davis is the director for South Dakota Rural Water Association.

**RANKING OF 319 APPLICATIONS CONTINUED:**

Questions brought before the Task Force and discussed were: 1) Local match; 2) Sponsors; 3) Meeting 319 requirements; 4) Providing labor, equipment; and training; 5) Long-term plans and maintenance; 6) TMDLs/Water Quality; 7) Consolidated and Conservation Commission Grants; 8) List where non-federal cash is coming from; 9) Identified projects/assessments earlier at the local level; 10) Water development districts; 11) Rules/deadlines for 319 applications

Duane Murphey, DENR, explained the department's recommendations for the \$1,253,790 of 319 funds available to South Dakota at this time. More money might be available later, if so there will be another round of funding. Projects approved by EPA will not receive their 319 funds until next spring. The department's recommendations on the 319 Proposals were as follows:

- BMPs for Manure Phosphorus Loading - \$400,000 for three years
- Bad River Phase III Amendment - \$260,000 at this time
- Lake Mitchell Watershed/Firesteel Creek Amendment - \$260,834 at this time
- Lakes Cochrane and Oliver Assessment/TMDL Development - \$43,404
- Moccasin Creek Assessment - \$66,420
- Grand River Watershed Assessment/TMDL Development - \$33,076
- BMP Demonstration for Control of Stormwater Runoff to Rapid Creek - \$56,965
- Lower Rapid Creek TMDL Development - \$45,855
- Site Specific Farming Demonstration Trails - \$86,236
- Whitewood Creek Demonstration Project – recommend no funding
- Management Zone Based Precision Farming – recommend no funding
- Pelican Lake Watershed Project – recommend no funding

Mike Schmidt, SD Cattlemen's Association, made a motion that the Task Force members vote as they have in the past. Pat Kuck, DENR, seconded. There was one objection. Chairman Reich read the list of core voting members and asked those in attendance pick-up a priority-ranking sheet. The project receiving the lowest points would get the highest priority. The Task Force ranked the projects as follows:

1. Lake Mitchell Watershed/Firesteel Creek Amendment – 48 points
2. BMPs for Manure Phosphorus Loading – 56 points

3. Grand River Watershed Assessment/TMDL Development – 77 points
4. Lakes Cochrane and Oliver Assessment/TMDL Development – 85 points
5. Bad River Phase III Amendment – 106 points
6. Moccasin Creek Assessment – 107 points
7. Site Specific Farming Demonstration Trials – 113 points
8. BMP Demonstration for Control of Stormwater Runoff to Rapid Creek – 135 points
9. Lower Rapid Creek TMDL Development – 139 points
10. Whitewood Creek Demonstration Project – 148 points
11. Pelican Lake Watershed Project – 194 points
12. Management Zone Based Precision Farming – 203 points

**OTHER BUSINESS CONTINUED:**

**UNIFIED WATERSHED ASSESSMENT:** Tim Bjork, DENR, handed out a draft of the Unified Watershed Assessment required under the Clean Water Action Plan for assessment of funds. The assessment is to rank the 8 digit hydrologic unit code watersheds within South Dakota prioritizing them according to their water quality and land use conditions. EPA wants a draft by the 1<sup>st</sup> of October. The draft shows the highest priority watersheds that are giving problems to the state of South Dakota. The draft is based on the 303(d)/Impaired Waterbodies List that was sent to EPA August 1<sup>st</sup>. For more information from Watershed Protection Program see our Internet Address: [www.state.sd.us/denr/watershed](http://www.state.sd.us/denr/watershed). Mike Schmidt, South Dakota Cattleman's Association, made a motion that the draft be advanced as necessary. Dave Hauschild second. Motion passed.

**MISSOURI RIVER PAPERS:** Duane Murphey, DENR, reported a Missouri River Conference will be held March 21-24, 1999, at Ramkota Convention Center, Pierre, SD. For more information see Duane.

**NATIONAL ANIMAL FEEDING OPERATIONS STRATEGY:** Duane Murphey, DENR, reported National Animal Feeding Operations Strategy has been released and comments need to be made by January 19, 1999. It can be read on the EPA and NRCS web pages. The National Resource Conservation Service offices (NRCS) downlink will carry it September 18, 1998, 11:30 am CDT.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held December 10, 1998, 10 a.m. at the Pierre Legion Cabin.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Pierre Elks Lodge  
125 West Pleasant Drive  
Pierre, South Dakota  
July 23, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10:00 a.m. See the attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich welcomed everyone to the meeting and asked them to introduce themselves.

**APPROVAL OF AGENDA & MINUTES OF THE MAY 21, 1998:** Hearing no objections, Chairman Reich approved the agenda and minutes as sent.

**AGNPS COMPUTER MODELING:** Mark McIntire, South Dakota Department of Environment and Natural Resources (DENR), gave an overhead presentation on Agricultural Nonpoint Source Pollution (AGNPS). He reported AGNPS divides a watershed into cells. It can predict the amount of runoff, peak rate of runoff, and amount of erosion from each cell and calculates how much sediment will be delivered on down the watershed. The benefits of using AGNPS are that it shows where the problems lie and which cells contribute more pollutants in the watershed. DENR is currently using this for watershed assessments. AGNPS is a time consuming process taking six months to evaluate a one watershed. Although AGNPS is a good model for cropped watersheds, DENR is looking for a more efficient computer modeling program and one that works for range areas.

**UNIFIED WATERSHED ASSESSMENT:** Bill Stewart, DENR, reported that under the Clean Water Action Plan natural resource agencies have been directed to develop a Unified Watershed Assessment Report. Bill handed out a draft assessment report stating that a number of information sources were used to prioritize the 54 eight digit hydrologic units within the State of South Dakota into these 4 categories: Category I - Watersheds in need of restoration; Category II - Watersheds meeting goals; Category III - Watersheds in pristine or sensitive aquatic systems; Category IV - Watersheds with insufficient data to make an assessment. Since the final report is due to EPA October 1, he asked that the NPS Task Force members send him comments before the Task Force's September meeting.

**PHOSPHORUS STUDY PROPOSAL:** Charlie Boe, South Dakota Independent Crop Consultant Association, presented the Task Force a handout on best management practices for land application of manure to reduce phosphorus loading to surface water resources. He stated that commercial fertilizer would be included in the phosphorus study also.

**TMDL UPDATE:** Joan Bortnem, DENR, reported South Dakota received an approval letter from EPA on the 303(d) list July 15, 1998. A lawsuit against EPA has been filed

over South Dakota's 303(d) list, which will affect how we will get TMDLs done. Final copies of the 303(d) list will be sent to everyone that has provided written or oral comments. The list will also be available on the South Dakota Department of Environment and Natural Resources Internet homepage at [www.state.sd.us/denr](http://www.state.sd.us/denr). Tim Bjork reported to the Task Force that Joan and the other homepage developers received an EPA Environmental Achievement Award for the department's website. Joan asked if the Task Force would like their own homepage explaining the groups and its purpose. Chuck Ullery made a motion that Joan develops a homepage for the NPS Task Force. All voted in favor. The Task Force also agreed to the use of pictures on the homepage.

#### **REPORTS:**

**Information & Education:** Dennis Clarke, DENR, reviewed how to register by Internet through the DENR's homepage for the Peaks to Prairie Watershed Conference to be held September 27-30 in Rapid City, SD.

He reported the Bootstraps Program has received requests for information from within the State of South Dakota, EPA, and Inside Washington. The Bootstraps video will be shown at the NACD Leadership Conference in Rapid City, August 19-20, 1998. The confined animal feeding operation (CAFO) video will air on Ag Today this fall.

Earth Treasures is in its second printing and has been very popular at the Interstate Rest Areas. DENR had a booth with water quality brochures set-up at the Izaak National Convention in Pierre this month. DENR is still working on converting the kiosk program to a CD-ROM. The Citizen's Monitoring grant/contract to Lakes and Stream Association has just been approved; the long-term plan is that it will compliment TMDL work. DENR is working with Precision Farming on two proposals that will tie into water quality and animal waste issues.

**RANGE/GRASSLAND RESEARCH:** Chuck Ullery, SDSU Extension, introduced Dr. Bob Kohl and Dr. Pat Johnson from South Dakota State University. Dr. Bob Kohl, a soil scientist, gave a slide presentation on understanding the hydrology, erosion, and affect management practices have on erosion and sediment delivery from range/grasslands. Dr. Pat Johnson, SDSU Range and Animal Science, gave a slide presentation on managing vegetation on range/grasslands.

#### **REPORTS CONTINUED:**

**East River Riparian:** Pat Kuck, DENR, reported the East River Riparian has three projects in the application phase, but by September all of the plan practices will be applied. The main purpose of this project was to make East River more aware of the value and knowledge of riparian areas. He handed out a brochure that explains what a riparian area is, the functions are, and watershed management practices. They will be mailed out to all the conservation districts and middle school science teachers in South Dakota in August.

**Resource Conservation and Forestry Update:** Brian Scott, Department of Agriculture (DOA), presented the Task Force a program summary for the Division of Resource Conservation and Forestry. He reported there would be a large amount of dollars for the fall Conservation Commission Grants funding, since only four were approved in the

spring funding. The grant application is being revised and will be sent to the conservation districts within the next few weeks. The deadline is October 1, 1998 for the fall funding. The next Conservation Commission Meeting is August 13, 1998 in Pierre.

**319 PROPOSALS DUE AUGUST 1:** Duane Murphey, DENR, reported that the 319 grant applications are due to DENR on or before August 1, 1998. The 319 guidance is on the DENR Internet site. The Board of Water and Natural Resources will take up the applications on September 23, 1998, so the applications will be mailed out no later than August 26 for the Task Force review.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held September 17, 1998, 10 a.m. Look at the top of the agenda to see next meeting's location as the Elks have sold the building where we have been meeting.

**OTHER BUSINESS:** Mike Schmidt, SD Cattlemen's Association, reported Daschle's office has submitted a bill revamping a pilot project on CRP lands. The bill will allow haying or grazing on CRP lands under a managed system. Angela Ehlers, SDACD, stated that there is also an amendment attached to the Ag Appropriation Bill for planned grazing 1 out of every 4 years.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Pierre Elks Lodge  
125 West Pleasant Drive  
Pierre, South Dakota  
May 21, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10:00 a.m. He requested those in attendance sign in. See the attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich welcomed everyone to the meeting and asked them to introduce themselves.

**APPROVAL OF AGENDA & MINUTES OF THE MARCH 19, 1998 MEETING:** Mr. Reich announced that Joel Tisch, Animal Waste Aeration Systems, could not attend the meeting, otherwise the agenda remained as is. He asked for a motion to approve the minutes of the March meeting. Roberta Rasmussen, South Dakota Pork Producers Council, moved to approve the minutes as is. Duane Murphey, South Dakota Department of Environment and Natural Resources (DENR), second.

**REPORTS:**

**WHIP:** Mike Kuck, Natural Resource Conservation Service (NRCS), reported the evaluation ranking of the WHIP applications are completed and sent on to the state office. After June 17, the funding results will sent out.

**EQIP:** He handed out maps showing the 13 priority areas that were funded for 1998. Four new priority areas are Pine Ridge Indian Reservation, south drainage of Medicine Creek (Lyman County), Lower Big Sioux Aquifer (Minnehaha and Moody Counties), and the Belle Fourche River. The priority areas were funded at approximately 70-75 percent which allowed additional areas to be added. Statewide rankings will be evaluated by July 10.

The packets for the 1999 EQIP proposals have been sent out. NRCS is asking existing priority areas to update their proposals plus new ones can be sent in.

**Farm Bill Update:** Conservation Farm Options (CFO) is a new program that has \$15 million dollars set aside with the ranking of applications done in Washington, DC. NRCS has not received any written guidances/rules from the national office for the CFO program. Mike Kuck stated some requirements of this program are minimum of 10 years contract, must have a production flexibility contract through FSA, and must be in production of feed grain crops.

**Ag Waste Team:** The old Ag Waste Team is finishing up the last 319 contract. Thirty one systems have been constructed out of the 54 systems designed. AGNPS modeling has been used to show the results of phosphorus reduction from the completed ag-waste systems.

The new Ag Waste Team, contracted under South Dakota Association Conservation Districts, have done a survey of the east river NRCS designed animal waste systems that are installed, participated in SDSU's manure management training for the pork producers, ranked design systems to be worked on, and have completed seven animal waste system designs.

**Animal Waste I&E Proposal:** EPA wants NRCS to inform small animal producers on new animal waste rules and changes that have come out lately. A request for funding has been put in to EPA.

**Buffer Strips:** NRCS has a nationwide buffer strip initiative, dedicated land strips along water bodies, that would help control pollution going into waterways. EPA has \$43,000 of 319 money leftover that other states couldn't use and DENR could reprogram \$50,000 to fund several technicians. One technician would work with operators in southeastern South Dakota along the Vermillion and Lower Big Sioux with another person being located in the northern part of the state. Some funding could come through WHIP and EQIP programs.

**Animal Waste Phosphorous Study:** Ron Gelderman, SDSU, headed a sub-committee on what issues should be included in the research study. The following issues will be researched through the study: 1) basic runoff sites, 2) extent of problems, 3) educational needs, 4) use of GIS, and 5) alternate methods of handling the problem. The most of the research will be done at producers sites and one at a research/experiment station.

**TMDL Update:** Duane Murphey, DENR, reported that Joan Bortnem is writing a workplan how DENR is going to accomplish the TMDLs workload required by the 303 (d) list that has been sent to Denver.

**Information and Education:** Dennis Clarke, DENR, reported that a proposal to make CDs from the kiosk program, the inter-active touch screen module, is in progress. By the end of the summer, DENR should be able to mail the CDs to every school in the state.

Peaks to Prairie Watershed Conference participants need to pre-register for workshops to be held September 27 - 30 in Rapid City, South Dakota. Continuing Education Credits (CEUs) can be received for certified crop advisor and certified professionals in erosion & sediment control by attending some of the workshops and conference. For more information, call or write Dennis Clarke at Watershed Protection Program, DENR, in Pierre.

An 8-10 minute bootstrap video is being produced which will be aired on Ag Today later this fall. It is a follow-up of the original video of the successes and failures resulting from decisions the participants made. Also, a confined animal feeding video will be coming out later this fall.

I & E strategy is to continue the program but no funding for Water Festivals, Envirothon, and limited printing of pamphlets/brochures. The program will focus more on adult activities that "wrap into watershed projects".

**East River Riparian:** Pat Kuck, DENR, reported the East River Riparian Project is wrapping up several projects before it closes out. The riparian photo guide is nearing finalization for printing.

**Resource Conservation and Forestry Update:** Pete Jahraus, Dept. of Agriculture, reminded everyone that Bob Drown's Australian Exchange will be shown over RDTN June 4, 3-5 p.m. (CDT). He handed out a report on the Urban Community Forestry and Stewardship Grants. The State Conservation Commission is revising the State Coordinated Soil and Water Conservation Plan. Last week, the Commission awarded their grants. The letters will be coming out from the Governor's Office. October 1st is the deadline for the fall round of Commission grants.

**ARIZONA STAFF EXCHANGE:** Duane Murphey, DENR, reported on working in Arizona with its Nonpoint Source staff. Arizona uses a management zone approach rather than a watershed, since only 17 percent of the land is privately owned. Their biggest problems are population growth and recreation. They work mainly with environmental groups for support not other agencies as we do.

**AGRICULTURE COMMISSIONS' MEETINGS:** Rick Vallery, South Dakota Wheat, Inc., reported that two new commissions have been established in South Dakota. The Cheesman Foundation is a forum that will publish a list of problems facing South Dakota agriculture. The Commission for Agriculture in the 21st Century will look at the problems the Cheesman Foundation listed. Also, the Legislative Research Council is conducting a summer study on SD agriculture.

**BACKYARD CONSERVATION KITS:** Rick Vallery and Collette Kessler, NRCS, showed backyard kits that target the urban areas. The kit contains 10 handouts on such ideas as tree planting, wild life habitat, a game, a poster, and a list of outdoor activities that can be ordered from the National Association Conservation District.

**319 PROPOSALS DUE AUGUST 1:** Duane Murphey, DENR, reminded everyone that August 1st is the deadline to turn in 319 proposals to his office.

**OTHER BUSINESS:** Duane Murphey, DENR, reported that his office will be giving a slide presentation on TMDLs at the South Dakota Association Conservation Districts meetings across the state.

Western Area RC&D Association meeting will be in Spearfish, SD, January 10-13, 1999, at the new Holiday Inn.

National Leadership Conference will be in Rapid City, SD, August 19-23, 1998.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held July 23, 1998, 10 a.m. at Pierre Elks Lodge, 125 W. Pleasant Drive

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Pierre Elks Lodge  
125 West Pleasant Drive  
Pierre, South Dakota  
March 19, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice Chairman Roberta Rasmussen, South Dakota Pork Producers Council, at 10:00 a.m. She requested those in attendance sign in.

**INTRODUCTION/OPENING REMARKS:** Roberta Rasmussen welcomed everyone to the meeting. She introduced herself and asked everyone in attendance to introduce themselves.

**APPROVAL OF AGENDA & MINUTES OF THE DECEMBER 11, 1997**

**MEETING:** Mrs. Rasmussen asked for any corrections or additions to the minutes. There being none, Robert Gab, South Dakota Conservation Commission, moved to approve the minutes as is. Chuck Ullery, South Dakota State University Extension, second. Motion carried.

Mrs. Rasmussen announced the following changes to the agenda. Mike Kuck will report on the Ag-Waste Team, the Cattlemen's Association will present a proposal for a phosphorus project, and SD Pork Producers will talk about farm odor.

**REPORTS:**

**Farm Bill Update:** Mike Kuck, Natural Resource Conservation Service (NRCS), reported on the 1998 CRP sign-up that ended last fall. South Dakota had 617,000 acres offered with about 155,000 acres that were accepted into the program. The reason for the drop in acreage from last year was due to the changes in the environmental ranking.

**WHIP:** Mike reported that there is a continuous sign-up for this program. In May, there will be an evaluation ranking of the applications for the \$765,000 that is available in financial assistance.

**EQIP:** He reported that 13 priority areas have been funded with over \$2 million going to them, \$1 million going to statewide concerns, and \$450,000 earmarked for Indian operators.

**WRP:** This program is based on restoration of wetlands that have been altered in some way. The funding is based on need.

**Ag Waste:** Mr. Kuck gave a overhead presentation of the Ag-Waste Management Team. The total number of systems designed using the new process to date is 137. The new 1998 funded proposal will expand the coverage area to include all of the East River counties and the staff will be increased to three engineers, an agronomist, and a soil scientist located in offices at Brookings and Mitchell, South Dakota.

**SOURCE WATER & WELLHEAD PROTECTION:** Tricia Sebes, DENR, presented slides on Source Water Assessment and Protection Program. The Source Water Assessment and Protection Program (SWAP) is a result of the 1996 Safe Drinking Water Act. This Act requires all states to develop and complete a Source Water Assessment Program, and allows states to set aside up to 10% of FY97 Drinking Water State Revolving Funds.

South Dakota must develop a document which will describe how the public will be involved in the development of the SWAP, how the assessments will be conducted, how the results of the assessments will be made available to the public, and how the SWAP will be implemented.

A Technical Advisory Committee and Citizens Advisory Committee has been developed to advise the DENR in the development of the SWAP.

A complete Source Water Assessment included three steps: a delineation of an area contributing water to a public water supply system, an inventory of significant sources of pollution, and a determination of the susceptibility of the public water supply system to each pollution source.

The results of the assessments will be made available to the public through paper and electronic format.

Management of a Source Water Assessment area may include zoning ordinances, permit restrictions, early detection monitoring wells, best management practices, and land acquisition or easements.

The DENR will be holding public meetings throughout the state to gather input on the program.

A SWAP document must be submitted to EPA by February 1999. Once the program is approved, the assessments must be completed within 2 years with the possibility of an 18-month extension.

**EFFECTS OF PHOSPHORUS:** Calvin Sandmeier, South Dakota Cattlemen's Association, presented a proposal to research the effects of phosphorus build-up in agricultural soils from repeated applications of manure. Research testing at several locations by South Dakota State University would determine at which level phosphorus would become a limiting factor for crop or forage growth, unacceptable in runoff into watersheds, and associated with other problems that have not been determined by significant research data. The research project would be accomplished under a steering committee of several "partners". A meeting to address this issue further will be in Huron at the Natural Resource Conservation Service Office on March 25, 1998. Chuck Ullery, SDSU Extension, also reminded everyone in attendance about the up-coming training sessions on manure management.

**FARM ODOR:** Roberta Rasmussen, South Dakota Pork Producers Council, reported that the National Pork Producers wants each pork producer to do an environmental assessment on odor at their operation. The South Dakota Pork Producers Council are

selecting six pork operations as training sites to teach producers to be more odor friendly to their neighbors.

**TMDL UPDATE:** Joan Bortnem, DENR, updated the Task Force on the 1998 303(d) list and gave a presentation on Total Maximum Daily Loads. The Task Force was informed that all partners may have to review their procedures for setting priorities because of the increased number of waterbodies listed in the 1998 list. The final list is due to EPA on April 1 and EPA will have 30 days to approve or disapprove.

**INFORMATION AND EDUCATION:** Duane Murphey, DENR, reported that ENVIROTHON maybe funded by a grant from the Gateway Company. He reminded everyone in attendance about the upcoming watershed conference, Peaks to Prairie, September 27-30, 1998, at Rapid City, South Dakota. The I&E Steering Committee is currently revising the I&E Program strategy. DENR's Internet web site has added more information on resources, money, and technology available in the department.

**EAST RIVER RIPARIAN:** Pat Kuck, DENR, reported that Brenda Johnson is the new coordinator for the East River Riparian Project. The demonstration facet of the project is in the process of wrapping up unless they do some I&E training. Economic evaluations are being completed on four projects for cost return. The riparian photo guide has several more cuts before being finalized.

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Ray Sowers, South Dakota Department of Agriculture (DOA), informed the Task Force of new assignments in the department. The assignments are: Ray Sowers, State Forester/Division Director; Dan McCormick, Urban Forestry Specialist; Brian Scott, Conservation District Specialist; Pete Jahraus, Eastern Area Supervisor; Coe Foss, Western Area Supervisor. The Conservation Commission is revising the Coordinated Soil and Water Plan for South Dakota with input from the conservation districts.

**GENERIC PESTICIDES AND GROUND WATER STATE MANAGEMENT PLAN:** Bruce Jacobson, DOA, updated the Task Force on the Generic Pesticide and Ground Water State Management Plan they are sending to EPA.

**PICKING UP THE PACE:** Duane Murphey, DENR, gave an overview on the Clean Water Action Plan. The US Congress is proposing to double the amount of money to carry the plan out. We need to accomplish: 1) More tribal participation, 2) Regulatory integration, 3) Build partnerships, and 4) Phosphorus standards.

**UPPER BAD RIVER BASIN STUDY:** Dave Konechne, NRCS, stated the study was started in 1994 because a million tons of sediment was still moving down the Bad River after the project was completed on the Lower Bad River. In the Upper Bad River study, they wanted to identify where it was coming from and a solution to slow the sediment down. The results showed sediment was coming mainly from the Lower Bad River. Later this year, the state Natural Resource Conservation Service will set in place management plans.

**GIS:** Bill Stewart, DENR, informed the Task Force that all of Digital Orthophoto Quads (DOQs) have been completed in South Dakota. NRCS, FSA, and USGS has offered to

pay for 75% of the cost of a base map at with high resolution and same scale to all of the states, but South Dakota needs to act fast in order to receive some of this money. The map can be used for most kinds of planning.

Angela Ehlers, SDACD, made a motion that the Task Force encourages the state of South Dakota to actively support the GIS offer of cost sharing it with the NRCS, FSA, and USGS. All in favor raised their hands. Only one attendee was against the motion. Duane Murphey is to pass this motion on to the department heads.

**LEGISLATION:** Tim Bjork, DENR, reported Senate Bill 32 has been passed and approved by the Governor for \$87,500, this is funding for the Bad River Project. Also signed were: Senate Bill 30 it dealt with regulation of waste tire haulers; Senate Bill 31 gave DENR authority to adopt rules for drinking water; Senate Bill 240 is a \$750,000 clean-up fund made-up of fees and fines penalties established for feedlot systems; Senate Bill 239 provides joint and tort liability by the negligent entrustment of livestock to another. Angela Ehlers, SDACD, stated that House Bill 1329 was passed and signed by the Governor. It appropriates \$1.275 million to coordinated soil and water conservation grants fund.

#### **PROJECT REPORTS:**

**RAVINE LAKE WATERSHED PROJECT:** B. J. McNeil, Beadle Conservation District, updated the progress of Ravine lake. No one was really interested in improving the lake after the unsuccessful dewatering attempt in 1996. In 1997, the Ravine Lake Advisory Board put in a 100 foot beach and brought in paddle boats for rent. As a result, they have gotten support to apply for grant assistance to be used for dredging. The major accomplishment last year was the design and construction of a three-pond retention system for dredging. The goals for this year are to stabilize shoreline, dredge sediment, complete a fecal coliform analysis on the lake, and install BMPs to control fecal coliform bacteria.

**LAKE BYRON PROJECT:** Judy Tschetter, Beadle Conservation District, reported that the Lake Byron Project is nearing completion. She has been contacting people to complete work around the lake.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held May 21, 1998, at 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive.