

PROJECT SUMMARY SHEET

PROJECT TITLE NAME: **303(d) Watershed Planning and Assistance Project – Continuation (Segment Three)**

NAME, ADDRESS, PHONE AND E-MAIL OF LEAD PROJECT SPONSOR

South Dakota Association of Conservation Districts
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SPONSOR/SUBGRANTEE

South Dakota Association of Conservation Districts

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WATERSHED: Statewide

HYDROLOGIC UNIT CODE: HIGH PRIORITY WATERSHED (yes/no): YES

TMDL Development () and/or Implementation (X) (check any that apply)

PROJECT TYPES	WATER BODY TYPES	NPS CATEGORY
<input type="checkbox"/> STAFFING & SUPPORT	<input type="checkbox"/> GROUNDWATER	<input checked="" type="checkbox"/> AGRICULTURE
<input checked="" type="checkbox"/> WATERSHED	<input checked="" type="checkbox"/> LAKES/RESERVOIRS	<input type="checkbox"/> URBAN RUNOFF
<input type="checkbox"/> GROUNDWATER	<input checked="" type="checkbox"/> RIVERS	<input type="checkbox"/> SILVICULTURE
<input type="checkbox"/> I & E	<input checked="" type="checkbox"/> STREAMS	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> WETLANDS	<input type="checkbox"/> RESOURCE EXTRACTION	<input type="checkbox"/> STOWAGE LAND DISPOSAL

PROJECT LOCATION: State of South Dakota

SUMMARIZATION OF MAJOR GOALS:

The project goal is: "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; develop riparian priority area overlays; and continue to provide water quality information and education to local landowners, youth, communities, other agency personnel, consultants and the general public.

PROJECT DESCRIPTION:

During this three-year continuation project, staff will equal 2.75 FTE – partial positions for three project coordinators, three project technicians, one conservation planner, and one clerical assistant. The sponsor will also hire consultants to administer the day to day operations of the project and to lead the watershed based planning and GIS mapping. Each staff member will be trained to prepare

conservation plans and be a NRCS certified nutrient management planner. The project coordinators and technicians will assist watershed projects with best management practice planning, including riparian, sedimentation, and animal nutrient management related issues. The conservation planner will work with targeted 12 digit Hydrologic Units within a 303(d) project area to develop and implement conservation whole farm plans prior to the producer's application for cost shared programs.

319 Funds: \$711,608 Match: \$824,000 Federal Funds: \$2,351,383 Total project cost: \$4,489,889
319 Funded Full Time Personnel: 2.75

2.0 STATEMENT OF NEED

Previous experience in South Dakota indicates one-on-one technical assistance is a critical factor in improving watershed water quality. Landowners residing in watersheds with impaired water bodies are often willing to install agricultural best management practices (BMPs) which improve water quality, but cannot access timely technical assistance needed to plan BMPs and then apply for financial assistance for installation.

To address the need, the initial five-year project segment provided a staff of eight project coordinators or agronomists and a supervisor who provided BMP planning, design and installation technical assistance to improve water quality in 303(d) listed watersheds in South Dakota with active implementation projects. Project staff was trained in the use of Natural Resources Conservation Service (NRCS) conservation planning and related documentation. NRCS also allowed project staff access to NRCS training courses, and agency materials such as maps, soils information, and existing conservation plans with the producer's approval. The South Dakota Department of Environment and Natural Resources provided watershed assessment information and training in the use of water quality assessment techniques Certified Technical Service Providers (TSPs) were used to provide engineering design and installation when needed.

Activities completed to date during project segment one and two include 10,805 landowner contacts that resulted in 1,656 plans with 1,275 of the plans being implemented, 172 plans for animal feeding operations, and 90 systems constructed. Required match for the segment one and two is \$ 2,393,505. As of September, 2012 match of \$3,458,789 had been documented.

2.1 Project Need and Problems

The South Dakota FFY2010 303(d) list of impaired water bodies includes 63 lakes and 92 river/stream segments that are impaired by nonpoint source pollution. The 303(d) list also indicates the parameter(s) causing the impairment. In most cases, implementation of agricultural BMPs in the watersheds will totally or substantially reduce the listed source of water quality impairment(s).

South Dakota uses a seamless approach to address water quality impairment. The approach includes integration of the TMDL assessment and implementation process. The process begins with water quality monitoring, modeling, and TMDL development and ends with watershed project planning and TMDL implementation. The assessment and TMDL segments of the process are three or more years in duration with implementation taking six to ten years or longer depending on the scope of the effort required.

Many of the sources of NPS pollution are known during the later stages of the assessment portion of the process. The current project, and this proposed continuation segment three, will continue planning and installation of BMPS in the critical areas identified in a manner that ensures the seamless process continues and TMDLs are implemented in an efficient manner in South Dakota.

2.2 Water Body Names and General Description

Missouri River basin (mainstem): Insufficient data has been collected to determine if the Missouri River basin (mainstem) is fully supporting its uses. Anecdotal evidence indicates sedimentation concerns along the Missouri River and immediate reaches of the streams/ivers flowing into the River. Most lakes in the Missouri River basin are highly eutrophic because of nutrient enrichment and siltation. Non-point activities are the problem sources. 319 projects are currently underway in the Lewis & Clark watersheds. The project coordinators will work with producers and agencies/entities to help address the watershed issues within 319 project areas as well as other areas of priority need as identified by the Department of Environment and Natural Resources. Many of these practices will address riparian issues. Segment one of the project identified a strong need for nutrient management assistance in the area which will be provided by the conservation technician and project coordinators.

Nine Mile Lake/South Buffalo Lake/South Red Iron Lake, White Lake, Lake Preston, Lake Thompson, Whitewood Lake, Vermillion River, and Big Sioux River from Watertown to Sioux City, lower James River: Non-point activities such as livestock operations and row crops have been identified through assessment as pollution sources in these watersheds. 319 projects are currently underway or planned for several of these watersheds. Segment three assistance to these watersheds, will consist of the team conservation technician providing nutrient management planning & implementation assistance as well as a conservation planner providing whole farm conservation plans to 12 digit targeted Hus within an implementation project.

Belle Fourche River, Bear Butte Creek: Will remain as a low priority for segment three as the local watershed project sponsors have developed a highly successful process to address their watershed resource concerns.

Programs that will be accessed to fund BMPs installation are anticipated (dependent upon program authorization in the 2012 Farm Bill) to be Continuous Sign-up Conservation Reserve Program (CCRP), Environmental Quality Incentives Program (EQIP), Wetland Reserve Program (WRP), Grassland Reserve Program (GRP), Coordinated Conservation Grants, Partners for Fish & Wildlife, Ducks Unlimited, and Pheasants Forever.

2.3 Maps

DENR will provide the following maps:

- watersheds that will be serviced by the project,
- Annualized Agricultural Nonpoint Source Model (AAGNPS) targeting showing critical cells, and
- Animal feeding areas with associated ranking based on DENR's feedlot model.

2.4 General Watershed Information

Watershed information is provided in the individual assessment project implementation plans for the

named watersheds. These are all agricultural watersheds and have a combination of row crops, small grains, grazing and animal feeding operations. Early assessment results suggest that animal waste is a considerable contributor to the nonpoint source problems. All of the lake watersheds listed are impaired by excessive phosphorous. The central and lower Big Sioux River is impaired by suspended solids and fecal coliform bacteria concentrations.

3.0 PROJECT DESCRIPTION

During the initial five year project segment SDACD placed a resource management specialist in six of its seven resource management areas to provide one-on-one technical assistance to landowners in watersheds of selected 303(d) listed water bodies (Figure 1).

Two additional project coordinators were assigned to the Big Sioux River Basin to work specifically with animal feeding operations.

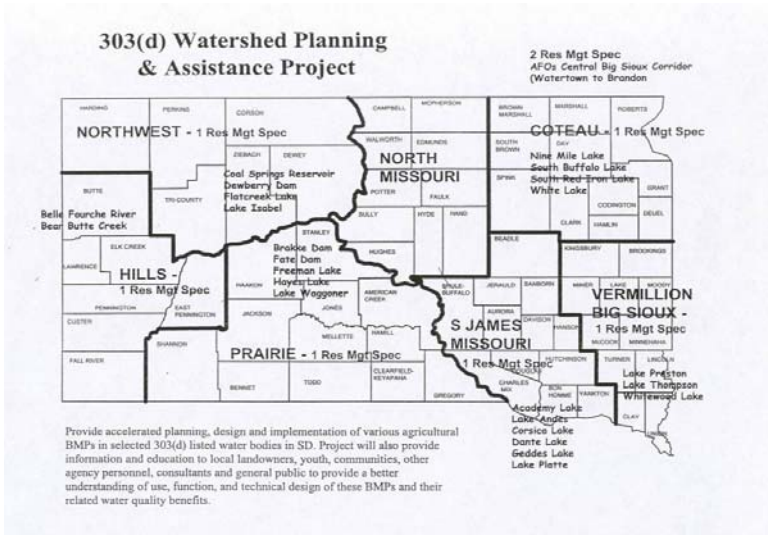


Figure 1. Area map and

Watersheds for project segment one

The specialists contacted land managers identified as having a high probability of contributing pollutants to the impaired water bodies and provided them information about the impairment and how BMPs could improve their operation. The specialists assisted landowners in planning BMPs and preparing the applications for financial assistance to install the BMPs. Engineering design services for animal waste management systems were provided using NRCS Engineers or contractual services with certified TSPs. Project staff as well as that of other SDACD technical assistance teams (buffer sales, grasslands management, and animal nutrient design) was supervised by a program manager funded by the project. The program manager also assisted in the general grant administration, tracking, and reporting for the 319 funded technical teams.

The project coordinators provided technical assistance to landowners and operators to plan BMPs that reduce NPS pollution to the 303(d) listed water bodies in his/her service area. Each specialist also provided conservation districts with technical assistance for the development of strategies to address NPS pollution to other 303(d) listed water bodies in his/her area.

The project coordinators use information from ANNAGNPS and animal feeding operations (AFO) rankings to target assistance to those properties where the BMPs would have the greatest effect on improving water quality. Landowners outside critical cells were a lower priority for receiving assistance. Training in the use of ANNAGNPs and the feedlot model was provided by DENR.

NRCS provided training that lead to the certification of project staff in conservation planning and TOOLKIT as well as additional training offered to the agency’s staff. Project staff was provided computers and software compatible with NRCS computer systems so that information could be

readily shared. Landowner confidentiality has been and will be maintained to NRCS standards.

During this three-year project continuation, (segment 3) SDACD will reduce field staffing to 2.75 FTEs using three project coordinators, three conservation technicians, one certified conservation planner and one clerical staff. Funding for the staff positions will be a combination of 319 funds and USDA funds. All staff will be trained to complete riparian management plans and become certified nutrient management planners. The conservation technicians will work closely with the project coordinators to help producers in their respective projects to develop and implement conservation practices that will help eliminate the resource concerns in their project area.

The project coordinators plan of work will include activities designed to build working partnerships for TMDL implementation projects in South Dakota. The project coordinators will also assist watersheds with best management practices planning, including riparian, sedimentation, and animal nutrient management related NPS pollution sources.

3.1 Project Goal

The project goal is: **“Continue to provide planning, design and agricultural best management practice installation assistance in selected 303(d) watersheds in South Dakota”.**

The goal will be attained by providing assistance for the planning, design and installation of agricultural BMPs. Nutrient management and riparian BMPs will focus primarily in central and eastern South Dakota.

The project will also provide information and education to local landowners, youth, communities, other agency personnel, consultants and the general public to provide a better understanding of use, function and technical design of agricultural BMPs and related water quality benefits.

3.2 Project Objectives and Tasks

Objective 1. Employ resource management specialists to assist landowners with planning and installation of agricultural BMPs that reduce nonpoint source pollutants in selected 303(d) watershed areas.

Task 1. Hire project consultants

The consultants will manage the day to day operation of the project including training project personnel, assigning temporary work activities, project finances, reports, accomplishments, watershed planning, GIS, and setting up and maintaining the project in the DENR Tracker System. Work with project sponsors to concentrate efforts in priority watersheds where increased effort is likely to pay off.

Product 1: Hire consultants (2)

Cost: \$209,376

EPA: \$209,376 (2 Years)

Responsible Agencies

South Dakota Association of Conservation Districts
 South Dakota Department of Environment and Natural Resources

Task 2. Employ and train project coordinators / technicians to assist landowners with conservation planning and installing agricultural BMPs that reduce nonpoint source loading reaching selected 303(d) water bodies.

Project staff will be employed and provided training in the use of NRCS planning and documentation protocols so that plans prepared will be certifiable by NRCS for USDA funding. Training will include the NRCS conservation planning course as well as training in 319 program strategies for TMDLs and grant documentation. It is expected that staff from segment two of this project will continue into the third segment. Employees will attend NRCS refresher courses as needed but at least every three years. Project staff will also be required to attend DENR sponsored project coordinator workshops and receive training by DENR in assessment techniques as needed to complete workplan and other associated activities.

Product 2: Three trained project coordinators, three trained project technicians/assistant coordinators, and one clerical assistant

Milestone: .75 FTE project coordinators, .75 FTE project technicians, and .75 FTE clerical assistant.

Cost: \$ 1,281,763 EPA: \$ 389,657 (3 Years)

Responsible Agencies

South Dakota Association of Conservation Districts
 Natural Resources Conservation Service
 South Dakota Department of Environment and Natural Resources

Objective 2. Plan/design and assist with arranging for installation of BMPs in 303(d) watershed areas.

Task 3. Develop BMPs installation plans/designs in target areas identified by assessment projects and/or models.

Target cells/areas for BMP installation will be based on information from DENR assessments, priority rankings from AAGNPS, local conservation district and USDA staff knowledge of sources and funding availability. Owners and operators of targeted lands will be contacted to explain the project mission, services available, and available funding opportunities as well as the potential of their operation to contribute pollutants to the impaired water body. Project staff will also assist with development of a funding package.

Product 3: BMP/plans and designs

Milestones:

- Landowner Conservation contacts – 1500
- BMP designs/plans - 100 funding ready

The cost to complete the BMP plans will primarily be salary costs of project staff and stakeholders.

Responsible Agencies

- South Dakota Association of Conservation Districts
- South Dakota Department of Environment and Natural Resources
- Natural Resources Conservation Service
- Local Conservation Districts

Once funded, implementation assistance and oversight will become the responsibility of the funding entity.

Product 4: Funded and installed plans

Milestone: Funding and installation of 16 BMPs outside of active project areas and 20 Farm bill practices completed in the project areas.

Cost: \$ 1,296,000 EPA: \$0

Responsible Agencies

- South Dakota Association of Conservation Districts
- Natural Resources Conservation Service
- Local Conservation Districts

Task 4. Develop animal waste system designs and installation plans in target areas identified by assessment projects and/or models.

In the targeted TMDL watersheds, animal waste systems designs, comprehensive nutrient management plans and cultural resource assessments will be developed for animal feeding operations AFOs. Systems to be designed will be selected from those that have a water quality impact risk ranking of 50 or greater as assessed using the AAGNPS feedlot subroutine and producer commitment to proceed.

Product 5: AFO animal waste system designs and funding applications

Milestones: 10 designs/funding applications

Cost: \$230,000 EPA: \$0

Responsible Agencies

- South Dakota Association of Conservation Districts
- Natural Resources Conservation Service

Local Conservation Districts

Once funded, implementation assistance and construction oversight will become the responsibility of the funding entity.

Product 6: Construct 10 AWMS

Milestones: 10

Cost: \$1,250,000 EPA: \$0

Responsible Agencies

South Dakota Association of Conservation Districts
Natural Resources Conservation Service
Local Conservation Districts

Task 5. Develop Conservation Whole Farm Plans for selected 12 digit watershed(s) within 303d project area.

A conservation planner will be hired to work in targeted 12 digit HU watersheds to develop conservation whole farm plans with willing producers. Producers would be provided with one on one conservation planning assistance. The producer would be educated in the benefits of the conservation practices and the environmental improvements gained. Once plans are developed the producer could apply for conservation programs that would provide financial assistance for implementation of practices if needed. Monitoring would be completed by the planner to identify conservation practices that were applied without financial assistance and the environmental benefits produced.

Product 7: Conservation whole farm plans would be developed for willing producers

Milestones: Hire conservation planner (0.50 FTE) to develop 10 Conservation whole farm plans

Cost: \$220,350 EPA: \$110,175

Responsible Agencies

South Dakota Association of Conservation Districts
Natural Resources Conservation Service
Local Conservation Districts

Objective 3: Develop 5 year strategic plans for (5) 319 watershed implementation project areas and develop riparian area priority zones for 28 counties.

Task 6. Develop Watershed Based Plans for all active 303d implementation projects

Provide technical assistance to the watershed project sponsors to involve local stakeholders in the development of the strategic plans. A steering committee made up of local, state, and federal partners will be formed and will oversee the development of the following:

- 5 year strategic plan for future segments that includes, identifies, quantifies, and schedules needed BMP implementation to restore water bodies to full support status of all its beneficial uses, and
- work plans for the future project segment.

Product 8: Five watershed based plans (Central Big Sioux / Lower Big Sioux, Vermillion River, Upper Big Sioux, NE Glacial Lakes, Lake Poinsett / NC Big Sioux project areas)

Milestones:

Steering committee/planning group meetings.	15 (3 per watershed)
Watershed Strategic plans	5
Future segment work plans	5

Cost: The cost to complete the plans is part of costs for the consultants.

Responsible Agencies
 South Dakota Association of Conservation Districts
 Watershed Project Sponsors
 Local Stakeholders

Task 7. Develop Riparian Buffer Zone overlays from stream beneficial uses defined in South Dakota Administrative Rule 74:51:03:02.

Zone A includes domestic water supply, warm water semi-permanent fish life propagation, and limited-contact recreation waters. Zone B includes warm water marginal fish life propagation and limited-contact recreation waters. Zone C includes fish and wildlife propagation, recreation, and stock watering waters, and irrigation waters. The buffer widths are related to Water Quality Standards defined Chapter 74:51:01 of the South Dakota Administrative rules. Depending on Pollutants of concern such as sediment, nitrates, and bacteria waters with higher standards for these pollutants should be assigned wider riparian buffers. The Zone A buffer is 120-feet, the Zone B Buffer is 60-feet, and the Zone C buffer is 30 feet

Product 9: 28 county overlays. (Todd, Tripp, Gregory, Charles Mix, Bon Homme, Yankton, Clay, Union, Lincoln, Turner, Hutchinson, Douglas, Aurora, Davison, Hanson, Deuel, Hamlin, and Codington)

Cost: The cost to complete the riparian overlays is part of the costs for the consultants.

Responsible Agencies

South Dakota Association of Conservation Districts
 Local Conservation Districts
 Local Stakeholders
 Department of Environment and Natural Resources

Objective 4. Implement public outreach program.

Task 8. Create an awareness of project goals and objectives

Create an awareness of project goals and objectives through media presentations in local news sources, mailings, and web-based information. Staff will also attend and make presentations at meetings of local work groups, USDA State Technical Committee, NPS Task Force, Conservation Commission, etc.

Product 10: 6 work group meetings, 8 News articles,

Cost: \$ 2,400 plus staff time EPA: \$2,400

Responsible Agencies

South Dakota Association of Conservation Districts
 Local Conservation Districts

Objective 5. Document and report project progress and success in attaining the project goals.

Task9. Monitor project progress and evaluate project

Project progress will be monitored to determine the water quality impact of the project and to provide information to DENR to plan future watershed loading reductions. The location of BMPs designed and installed will be mapped and provided to DENR using ARC View and TOOLKIT. NPS load reductions expected from the BMPs will be calculated and provided to DENR. The programs used to determine the load reduction will be those approved by DENR for this purpose which include DENR project tracker, AAGNPS, STEPL and RUSLE2. When tracking BMPs installed in the watershed, a unique identifier will be used.

Progress in building partnerships and developing nonpoint source abatement plans will be gauged by the milestones achieved and the number of contacts or partnerships developed.

Product 11: BMP location Maps
 Load reductions
 Annual and mid-year GRTS reports

Responsible Agencies

South Dakota Association of Conservation Districts
 South Dakota Department of Environment and Natural Resources

Annual project status reports will be prepared and submitted to DENR for entry into GRTS

Product 12: Mid-year and annual GRTS reports

Milestones: prior to April 15 and October 15 of each year.

Responsible Agencies

South Dakota Association of Conservation Districts

Task 10. Prepare a final report using guidance provided by DENR.

Product13: Final project

Milestone: June 30, 2016

Responsible Agencies

South Dakota Association of Conservation Districts

Natural Resources Conservation Service

3.3 Milestone Table (attached Appendix B)

- 3.4 Permits not are required for planning activities. When a BMP is ready for installation, project staff will assist with securing any required water rights, building, 401, 404 and storm water construction permits and ensuring compliance with threatened and endangered species and historic/cultural resources requirements.
- 3.5 The SDACD is the project sponsor. The Association has been awarded and successfully completed several 319 Grants. Among these are the Bootstraps Project, animal nutrient management and buffer teams. The Association has also provided management services and or staff for several other 319 grant which includes the Grassland Management Planning, Upper Snake Creek, Lewis & Clark, Turkey Ridge Creek, and Medicine Creek projects.
- 3.6 The project or other entity that contracts with the landowner/operator will be responsible for ensuring compliance with BMP operation and maintenance requirements for the life of the practice in accordance with NRCS technical standards.
- 3.7 This project will not implement the management practices. Responsibilities for protection of endangered and threatened species, other environmental reviews and cultural resources compliance follow to the entity funding the management practices.

4.0 COORDINATION PLAN

4.1 Agencies and their responsibilities:

South Dakota Association of Conservation Districts – Project sponsor, employ and supervise project coordinators and conservation technician. SDACD staff includes the executive director

supervised by Board of Directors. SDACD will coordinate project activities, report on project activities and progress, voucher for grant funds, and provide record keeping. SDACD will make presentations at meetings of local work groups, State Technical Committee, NPS Task Force, Conservation Commission, etc. SDACD will solicit local conservation district staff and other local interest groups in targeting the delivery of technical assistance to landowners.

Conservation Districts – Provide technical assistance for BMP installation, assist with BMP prioritization, public information assistance, host local meetings, and coordinate with local work groups for USDA funding.

South Dakota Department of Game, Fish & Parks – Provide technical and financial assistance through several private lands wildlife habitat programs they administer; these programs also provide nonpoint source pollution control benefits. Coordinate with the Pheasants Forever technical assistance project.

Natural Resources Conservation Service - Technical assistance and training. Provide technical assistance and access to records and maps. Provide cost share assistance for BMP installation through those USDA programs authorized in the 2012 Farm Bill. Provide 50% of cost of Conservation Planner.

Farm Service Agency – Financial assistance through those USDA cost-share or land retirement programs authorized in the 2007 Farm Bill.

US Fish and Wildlife Service - technical and financial assistance through programs they administer such as Partners for Fish and Wildlife and the North American Wetlands Conservation Act.

US Environmental Protection Agency – Provide 319 grant to South Dakota DENR,

SD DENR - Administer EPA 319 grant funds; provide technical assistance for project planning as and management and training.

4.2 **Project Support**

Segment one of this project received the support from the South Dakota Department of Environment and Natural Resources; South Dakota Board of Water and Natural Resources; SD Nonpoint Source Task Force; the SD Department of Game, Fish and Parks; SD Department of Agriculture; the conservation districts; East Dakota Water Development District; USDA-Natural Resources Conservation Service; and USDI-Fish and Wildlife Service.

The segment three application to continue this project is supported by the USDA-Natural Resources Conservation Service, USDI-Fish and Wildlife Service, South Dakota Department of Agriculture, SDACD and all involved conservation districts.

4.3 **Coordination with Other Programs**

Pheasants Forever and Ducks Unlimited, in partnership with the Natural Resources

Conservation Service and the South Dakota Department of Game, Fish and Parks, has placed wildlife habitat specialists in seven areas of South Dakota to assist in wildlife habitat planning. Program activities will be coordinated with this project to avoid overlap and duplication. Those in this partnership indicate they expect the project to continue.

The South Dakota Association of Conservation Districts will provide information to and coordinate with the State Technical Committee and subcommittees to coordinate the funding through those USDA programs authorized in the 2007 Farm Bill. The Association will also work with other 319 projects to coordinate and augment their efforts.

4.4 **Non-duplication of Effort**

This project is a continuation of a local, state, and federal agencies partnership that provides technical and financial assistance for the implementation of NPS TMDLs in South Dakota. The project is managed to maximize the delivery of assistance that minimizes duplication of effort. For example, Pheasants Forever working in partnership with NRCS and the South Dakota Department of Game, Fish and Parks has placed wildlife habitat specialists in some areas of South Dakota to assist in wildlife habitat planning. Their activities are coordinated with the project to avoid duplication of effort.

5.0 **EVALUATIONS AND MONITORING PLAN**

- 5.1 The evaluation and monitoring plan includes documentation of project activities and BMPs installed. Load reductions and BMP implementation information will be provided to DENR as part of the GRTS report and provided to 319 projects in the areas serviced.
- 5.2 Water quality sampling is not included in the project work plan. Therefore, a sampling and analysis plan will not be developed.
- 5.3 The project coordinators and conservation technician will document all project activities and report these activities to the SDACD executive director who will submit the semi-annual report. The annual report will be prepared and released by October 31 of each year during the proposed project. The semi-annual and annual report will be available to all local, tribal, state, and federal agencies and organizations in the project area. This report will also be posted on the SDACD web site.

Project activities that will be documented include:

- On-farm visits and landowner/operator contacts and follow-ups, plans developed as result of visits/contacts, and BMPs implemented
- Partnership building contacts/presentations and report of results
- Workshop and tour attendance and activities generated through workshops or tours
- News releases and other media contacts (TV/Radio) and indications of activities generated as result of releases or contacts
- Presentations/attendance at meetings where project activities are discussed (conservation boards, local governments, tribal governments, lake associations) and reports of activities generated as result of presentations
- Implementation of best management practices

- Project expenditures
- Local cash match and in-kind contributions
- Success /challenges of using private engineering consultants

Data collected during this project, and documentation of project activities and expenditures will be compiled and used to draft a final report prepared following guidance provided by DENR. The report will focus on this project segment, include the cumulative accomplishments of this and the previous project segment, contain a comparison of planned versus completed activities, estimate of load reductions achieved, and an evaluation of success in relation to the project goal. Copies of the report will be provided to the Association's project partners.

6.0 **BUDGET** (attached Appendix A)

7.0 **PUBLIC INVOLVEMENT** (see objective 4)

6.0: 303 D Budget Segment 3 - Appendix A (10/8/2012)								
	Project Expenses			Project Funding				
	FY 2013	FY 2014	FY 2015	Total	319-EPA Grant	USDA	Other Sources	Land Owners
Objective 1 - Employ resource management specialists								
Task #1 - Hire project consultants (2)	\$ 104,688	\$ 104,688		\$ 209,376	\$ 209,376			
Sub-Total	\$ 104,688	\$ 104,688	\$ 0	\$ 209,376	\$ 209,376	\$ 0	\$ 0	\$ 0
Task #2 - Employ project coordinators, technicians to install BMPs and administer project. (Includes all costs for an employee)								
Project Coordinator (3)	\$ 189,000	\$ 192,780	\$ 196,635	\$ 578,415	\$ 144,604	\$ 144,604	\$ 289,207	
Technicians (3)	\$ 189,000	\$ 192,780	\$ 196,635	\$ 578,415	\$ 144,604	\$ 144,604	\$ 289,207	
Clerical (1)	\$ 32,000	\$ 32,640	\$ 33,293	\$ 97,933	\$ 73,450		\$ 24,484	
Contract Management (SDACD)	\$ 7,000	\$ 7,000	\$ 7,000	\$ 21,000	\$ 21,000			
Audit	\$ 2,000	\$ 2,000	\$ 2,000	\$ 6,000	\$ 6,000			
Sub-Total	\$ 419,000	\$ 427,200	\$ 435,563	\$ 1,281,763	\$ 389,657	\$ 289,208	\$ 602,898	\$ 0
Objective 2 - Plan/design and with BMP Installation in 303 d watersheds								
Task 3. Develop BMP plans/designs in target areas								
Landowner conservation contacts (1500)	Costs associated with employees identified in task #2							
BMP plans/designs (100)	Costs associated with employees identified in task #2							
16 BMPs funded and installed outside project & 20 farm bill practices inside	\$ 432,000	\$ 432,000	\$ 432,000	\$ 1,296,000		\$ 972,000		\$ 324,000
Sub-Total	\$ 432,000	\$ 432,000	\$ 432,000	\$ 1,296,000	\$ 0	\$ 972,000	\$ 0	\$ 324,000
Task 4. Develop AWMS designs and plans in target areas								
10 AWMS for AFOs designed and funded	\$ 46,000	\$ 92,000	\$ 92,000	\$ 230,000		\$ 230,000		
10 AWMS AFOs installed	\$ 250,000	\$ 500,000	\$ 500,000	\$ 1,250,000		\$ 750,000		\$ 500,000
Sub-Total	\$ 296,000	\$ 592,000	\$ 592,000	\$ 1,480,000	\$ 0	\$ 980,000	\$ 0	\$ 500,000
Task 5. Develop Conservation Whole Farm Plans								
Employ conservation planner	\$ 72,000	\$ 73,440	\$ 74,910	\$ 220,350	\$ 110,175	\$ 110,175		
Develop 10 Conservation whole farm plans in targeted area	Cost associated with conservation planner above.							
Sub-Total	\$ 72,000	\$ 73,440	\$ 74,910	\$ 220,350	\$ 110,175	\$ 110,175	\$ 0	\$ 0
Objective 3 - Develop 5 year strategic plans								
Task 6. Develop (5) Strategic Plans (Lower Big Sioux, Vermillion River, Upper big Sioux, NE Glacial Lake, Lake Poinsett/NC Big Sioux)	Cost associated with consultants hired in task #1							
Task 7. Develop riparian buffer zone overlays (28 counties)	Cost associated with consultants hired in task #1							
Sub-Total				\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Objective 4 - Implement public outreach program								
Task 8. Create an awareness of project goals and objectives								
6 workgroup meetings and 8 news articles	\$ 800	\$ 800	\$ 800	\$ 2,400	\$ 2,400			
Sub-Total	\$ 800	\$ 800	\$ 800	\$ 2,400	\$ 2,400	\$ 0	\$ 0	\$ 0
Objective 5 - Document and report project progress								
Task 9. Monitor project progress and evaluate project								
BMP location maps	Costs associated with employees hired in task #2							
Load reductions								
GRTS reports								
Task 10. Prepare final report								
Sub-Total				\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Totals	\$ 1,324,488	\$ 1,630,128	\$ 1,535,273	\$ 4,489,889	\$ 711,608	\$ 2,351,383	\$ 602,898	\$ 824,000

3.3: MILESTONE TABLE - Appendix B (10/8/2012)												
303 d, Milestone Table Segment 3												
July 1, 2013 Through June 30, 2015												
Goal/Objective/Task	Groups	Quantity	2013		2014		2014		2015		2015	
			Year 1 July-Sept.	Year 1 Oct-Dec	Year 2 Jan-Mar	Year 2 Apr-June	Year 2 July-Sept.	Year 2 Oct-Dec	Year 3 Jan-Mar	Year 3 Apr-June		
Objective 1. Employ Resource Management Specialists												
Task 1: Hire Consultants												
Products : 2 Consultants Hired	1,2,4	2	2									
Task 2: Employ Project Coordinators, Technicians, and Clerical Assistant												
Products: Staff Hired for 2.25 FTE												
Employ 3 Project Coordinators = 0.75 FTE	1,2,4	3	3									
Employ 3 Technicians = 0.75 FTE	1,2,4	3	3									
Employ 1 Clerical Assistant = 0.75 FTE	1,2,4	1	1									
Objective 2. BMP Plan/Design and Implemented in 303 d watersheds												
Task 3. BMP Plans/Designs completed												
Products : Producers contacted, BMPs designed and installed												
Landowner Contacts	1,2	1500		150	175	175	175	175	175	175	175	125
BMP Plans/designs	1,2,3	100		10	10	10	10	15	10	10	15	10
BMPs Funded & Installed 16 Outside & 20 Farm bill inside	1,2,3	36		5		5	5	5		5	5	6
Task 4. Develop AWMS designs/Plans												
Product: AWMS for AFOs designed & Funded												
AWMS designed & Funded	1,2,3,5	10	1	1	1	1	1	1	1	1	1	1
AWMS Installed	1,2,3,5	10		2				4				4
Task 5. Develop Conservation Whole Farm Plans												
Product: Employ Planner to develop Plans												
Hire Conservation Planner = 0.50 FTE	1,3,4	1	1									
Develop 10 Whole Farm Plans in targeted area	1,2,3,4	10		2		2		2		2		2
Objective 3 - Develop 5 year Strategic Plans & Zone Maps												
Task 6. Develop (5) five year strategic plans												
Product: Develop Plans for Identified Projects												
Develop 5 strategic Plans	1,2,4,5	5			2				2			1
Task 7. Develop Riparian Zone Overlay Maps												
Products: 28 County Riparian Zone Overlay Maps												
Develop the overlay maps	1,2,4,5	28		1		3	6	6		6	6	
Objective 4: Implement Public Outreach Program												
Task 8. Create an awareness of project goals & objectives												
Products: Workgroup meetings and news articles												
Workgroup meetings	1,2,4	6			3				3			
News Articles	1,2,4	8		1		2		2		2		1
Objective 5: Document & report project progress												
Task 9. Monitor project progress and evaluate project												
Product : Reports												
BMP location maps	1,2,4	5		1		1		1		1		1
Load reductions	1,2,4	5		1		1		1		1		1
GRTS reports	1,2,4	5		1		1		1		1		1
Task 10. Complete Final Report												
Product : Final Report												
Final report reviewed and approved	1,4	1										1***
Groups:												
1. South Dakota Association of Conservation Districts												
2. 303 d Project Conservation Districts												
3. USDA - Natural Resources Conservation Service/Farm Service Agency												
4. SD Department of Environment and Natural Resources												
5. Private Consultants and/or TSPs												

*** Final report due by June of 2016.