AGENDA
NONPOINT SOURCE TASK FORCE
9:00 AM, CST
December 8, 2015

Floyd Matthew Training Center
Pierre, South Dakota

9:00 AM	Opening and Introductions	Jay Gilbertson
	Approval of Agenda	Jay Gilbertson
	Approval of Minutes	Jay Gilbertson
	Available Funds Overview	Pete Jahraus
9:15	319 Grant Application Presentations	
	Belle Fourche River – Segment 7 (Amendment)	Belle Fourche River Watershed Partnership
	Upper Big Sioux River – Segment 7	City of Watertown
	SD NPS I&E Project - Segment 4 (Amendment)	SD Discovery Center
	South Central Watershed Project – Segment 1	James River WDD
10:15	Break	
10:30	SD School of Mines Bacteria Project	SD School of Mines
	SDSU Persistence of *E. Coli* in Sediment Project	SDSU
11:00	South Dakota Envirothon	Tim Bjork
11:15	Nitrates in the Big Sioux River	Jay Gilbertson
	Harmful Algal Blooms	Andy Kopp
	State Water Plan Application Process	Andy Bruels
12:00 PM	Lunch (on your own)	
1:00	Recommendations for Funding	Jay Gilbertson
2:00	NRCS/Soil Health Coalition - Soil Health Discussion	Jeff Zimprich Doug Siek Jeff Hemminway
3:00	Other Items	Jay Gilbertson
	Adjourn	

Minutes of the
NONPOINT SOURCE TASK FORCE MEETING

Matthew Training Center, Foss Building
Pierre, South Dakota
April 22, 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.

DRAFT

November 12, 2015

TO: Nonpoint Source Task Force

FROM: Barry McLaury, Nonpoint Source Program Coordinator

SUBJECT: December 8, 2015 NPS Task Force Meeting

Enclosed please find a summary of the 319 project applications and the proposed agenda for the December 8, 2015, task force meeting. As indicated on the proposed agenda, the meeting:

- will be held in the Floyd Matthew Training Center located in the Joe Foss Building, 523 East Capitol Avenue Pierre, South Dakota, and

- is scheduled to begin at 9:00 AM, CST.

Please note that the Task Force will be making funding recommendations for the 319 grant applications. The applications are available at the following website:

http://denr.sd.gov/dfta/wp/319apps/319applications.aspx

The minutes of the December 9, 2014, meeting are available by visiting:

http://denr.sd.gov/boards/2014/npstf1214.pdf

Enclosures

2016 Section 319 NPS Project Summaries

Belle Fourche River Watershed Implementation Project - Segment 7 (Amendment)

Total Cost: $3,546,900 **319 Grant Request: $400,000**

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.

Upper Big Sioux River Watershed Implementation Project - Segment 7

Total Cost: $1,152,800 **319 Grant Request: $511,863**

This project segment is a continuation program. The goal of this project is to improve
Water quality entering the Big Sioux River and Lakes Kampeska and Pelican by reducing nutrient and sediment loads originating from grazing and animal feeding operations, from crop ground and pasture lands caused by inappropriate application of manure or holding pond water, and from stream/river banks and lake-shoreline erosion.

South Dakota Nonpoint Source Information and Education Project - Segment 4 (Amendment)

Total Cost: $568,124 **319 Grant Request: $86,700**

The 2014 South Dakota Nonpoint Source Information and Education Project is designed to continue providing South Dakota's citizens information and education opportunities about nonpoint source pollution to 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 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 Increase teacher, student and adult awareness of watersheds and watershed protection.

South Central Watershed Implementation Project - Segment 1

Total Cost: $13,317,530 **319 Grant Request: $1,550,000**

The goal of the South Central Watershed Implementation Project is to restore or protect the beneficial uses in the Lower James River Watershed, Lewis and Clark Lake, and the watersheds of Geddes, Academy, Platte Lake and Lake Andes Lake. This will be accomplished through the installation of Best Management Practices (BMPs) in the watersheds that target sources of sediment, nutrients, and fecal coliform bacteria. This project, Segment I, will address and target BMP installation in the entire South

Dakota portion of the Lewis and Clark Lake Watershed (1.9 million acres), the Lower James River Watershed and its tributaries (2.6 million acres). It will also provide technical and financial assistance to the watershed activities in the Lake Andes, Geddes, Academy and Platte Lake Watersheds. These additional four watersheds add up to 560,000 additional acres and are tributaries of the Missouri River and Lake Francis Case which lies upriver and borders the Lewis and Clark Lake Watershed. The total project area acreage is 5,053,800 acres.

Examining Seasonal Fluctuations in the Pathogenicity Potential of the Big Sioux River and Skunk Creek

Total Cost: $166,671 **319 Grant Request: $100,000**

This project will help guide future Best Management Practices; we will measure the pathogenic potential of the bacterial contamination of six sites along the Big Sioux River and Skunk Creek biweekly for the period of one year. Although fecal coliforms and E. coli are commonly quantified in the monitoring of our water systems by local, state, and federal agencies, the level of pathogenicity is often overlooked. We propose to apply our newly developed monitoring metric for the 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. Through this work, we will determine the effects of seasonal change and major weather events on the human disease potential, and help guide usage of the waterways.

Persistence of *E. Coli* in Stream Sediments and the Impact on Water Quality

Total Cost: $314,941 **319 Grant Request: $188,965**

This project will use a combination of literature review and spatial sampling to determine a standard method for sampling *E. coli* in stream sediments. Using the standard method, the project will also assess the stability of *E. coli* concentrations over time including the impact of stormflow, shear-stress, and sediment particle sizes. Stormflows have the potential to deplete sediment stores of *E. coli*; therefore, this project will also evaluate the potential for *E. coli* recovery after such events. Outcomes from the project will provide broad insight into the risks to South Dakota waterbodies from existing in-stream *E. coli* stores and the potential persistence of the risks from *E. coli* stores over time.