AGENDA
319 NONPOINT SOURCE TASK FORCE
9:00 AM, CDT
April 21, 2015

Floyd Matthew Training Center
Pierre, South Dakota

Tuesday, April 21

9:00	Opening and Introductions	Jay Gilbertson
	Approval of Agenda	Jay Gilbertson
	Approval of Minutes	Jay Gilbertson
9:15	State 319 NPS Management Plan Revision	Pete Jahraus
10:15	Break	
10:30	EPA Region 8 Agricultural Liaison	Rebecca Perrin
11:00	River Basin Natural Resource Districts	Jay Gilbertson
11:30	Des Moines Water Works Law Suit	Jay Gilbertson
12:00	Adjourn	
1:30	Dakota Lakes Research Farm Tour (NPS Coordinators Meeting)	

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

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.

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

Total Cost: $9,160,400 **319 Grant Request: $600,000**

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

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

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

FFY 2015 FUNDING							
	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		
IMPLEMENTATION PROJECTS							
	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.