



East Dakota Water Development District
132B Airport Drive
Brookings, SD 57006
605-688-6741 605-688-6744 Fax

MINUTES
December 19, 2024

The Board of Directors of the East Dakota Water Development District (District) held a regular meeting on December 19th, 2024, at the District Office in Brookings, SD. Chairman Anderson called the meeting to order at 1:00 p.m. The following persons attended:

Directors Present

Mark Anderson
Jeff Barth*
Gary Duffy
Bonnie Dybedahl
Spencer Hawley
Bob Kappel*
John Moes

Directors Absent

Joedy Poppe

Others Present

Rick Bonander, Valley Springs
Joshua Haiar, South Dakota Searchlight*
Sam Kucia, South Dakota State University*
Ted Lewis, City of Sioux Falls*
Mark Mayer, SD Dept Agriculture & Natural Resources*
Sushant Mehan, South Dakota State University*
Joshua Stafford, South Dakota State University*
Chris Schmidt, South Dakota State University

Staff Present

Jaelynn Dreckman
Jay Gilbertson
Jeremy Hinke
Deb Springman

* - participated via video-conference.

Administrative Items

Approval of Agenda - The Manager asked to have a Project Assistance Request from the US Geological Survey added to the Agenda.

Motion by Duffy, seconded by Dybedahl to approve the agenda as so amended. Motion carried unanimously.

Minutes - The Board reviewed the Minutes of the November 21st, 2024, meeting.

Motion by Moes, seconded by Barth to approve the November 21st, 2024, Board Meeting Minutes as presented. Motion carried unanimously.

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Financial Reports - The Board reviewed the November 2024 Financial Reports.

Motion by Hawley, seconded by Duffy to accept the November 2024 Financial Reports. Motion carried unanimously. Chairman Anderson then asked that the report be placed in the District files.

Report of Meetings and Conferences - The Manager commented briefly on the following meetings he attended:

1. **December 4th** - South Dakota Water Management Board meeting, Pierre (remote attendance).
2. **December 5th** - South Dakota Association of Rural Water Systems Board of Directors & South Dakota Water Center Board of Directors, Sioux Falls.
3. **December 7th** - Friends of the Big Sioux River “State of Our River” Forum, Sioux Falls.
4. **December 10th** - Sioux Metro Growth Alliance (SMGA) Growth Summit - H2O; What You Should Know, Sioux Falls.
5. **December 12th** - South Dakota NonPoint Source Task Force meeting, Pierre.
6. **December 18th** - January NonPoint Source Tech Exchange Planning Call w/ USEPA Headquarters.

Upcoming Meetings -

1. **January 9th, 2025** - Pierre and various Dakota Digital Network (DDN) sites. South Dakota Board of Water & Natural Resources.
2. **January 14th - 16th** - Ramkota Hotel & Convention Center, Pierre. South Dakota Association of Rural Water Systems Annual Technical Conference.
3. **January 14th - 12 noon** - State Capitol, Pierre. Opening of the 100th South Dakota Legislative Session.
4. **January 16th -9:00 a.m.** - JRWDD Office, Huron. James River Water Development District Board of Directors meeting.
5. **January 18th - 8:00 a.m.** - Sioux Falls Convention Center, Sioux Falls. South Dakota Corn Growers Association Annual Meeting.
6. **January 23rd - 9:00 a.m.** - EDWDD Office, Brookings. East Dakota Water Development District Board of Directors meeting.
7. **January 25th - 27th** - Ramkota Conference Center, Pierre. Governor’s Conference on Economic Development.

Payment Requests - The Manager presented the Board with several payment requests from District-sponsored activities that required Board action. He noted that the requests were in order and consistent with the conditions established by the Board at the time of the awards.

<u>Grant Recipient/Activity</u>	<u>Requested Amount</u>
SDSU - SRAM Environmental & Economic Assessment (Mehan)	\$ 5,844.45
SDSU - SD Water Values Survey Project (Bergstrom)	\$ 10,000.00
SDSM&T - Big Sioux River PFAS Assessment	\$ 915.93
Lake Poinsett Association - Lake Poinsett Management Plan*	\$ 20,000.00
Dakota Mainstem RWS - 2024 Support Draw # 1	\$ 11,320.94
Dakota Mainstem RWS - 2024 Support Draw # 2	\$ 9,038.87

City of Madison - NW Sanitary Sewer Service Study*	\$ 6,360.00
USGS SD - 2024 RT Nitrate Monitoring*	\$ 4,270.00
	\$ 67,750.19

The Manager noted that several of the payments (Lake Poinsett Association, Madison & USGS) would complete the District obligation to the project activities.

Motion by Hawley, seconded by Moes to authorize payments totaling \$67,750.19 as requested. Motion carried unanimously.

Project Assistance Review - The Manager reviewed the status of several projects that had previously received District cost-share assistance. Each project has been completed and will not be requesting further funds, or it has been determined that the project will not proceed. The Manager asked that the Board rescind the balance of District funds (\$11,543 in total) previously committed to the following efforts:

<u>Project</u>	<u>Award</u>	<u>Grant</u>	<u>Payments</u>	<u>Balance</u>
Aquifer Interaction	Dec 2018	\$15,000	\$ 4,252	\$ 10,748
City of Madison - WW Facility Plan	Nov 2020	\$ 7,000	\$ 6,360	\$ 640
SDSU CEE Stormwater Treatment	Apr 2022	\$50,000	\$49,845	\$ 155
				\$ 11,543

Motion by Dybedahl, seconded by Duffy to rescind the unused balances of the District cost-share assistance grants, totaling \$ 11,543, as requested. Motion carried unanimously.

2025 Director Areas 7 & 8 Vacancies - The Manager reported that public notices had been published for the current (director area 7) and pending (director area 8) board vacancies in November. To date, nominating petitions, and supporting materials, had been requested by one individual from each director area. The filing deadline for the petitions is January 17th, 2025, with the intent to take action on filling the vacancies at the January 23rd, 2025, meeting of the Board.

Project Assistance Requests

United States Geological Survey Real-Time Nitrate Monitoring Agreement - The Manager discussed a joint funding request (JFA) from the United State Geological Survey (USGS) Dakota Water Science Center (DWSC) for operation of a real-time nitrate monitoring device during federal fiscal year (FFY) 2025. The District has supported operation of this device, in collaboration with the USGS and the City of Sioux Falls since FFY 2014. The proposed FFY 2025 JFA is for continuation of support for this monitoring station at a cost of \$4,450, an increase of \$180 over FFY 2024. The JFA for FFY 2025 would be matched by \$2,050 from the USGS. A similar agreement will be executed between the City of Sioux Falls and the USGS.

Motion by Moes, seconded by Kappel to approve the FFY 2025 JFA with the USGS DWSC, in support of the real-time nitrate monitoring station, for \$4,450, and to authorize the Manager

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to execute the JFA. Motion carried unanimously.

Removal of *E. coli* from Stormwater Runoff Using Filtration with Recycled Steel Byproduct Media

Dr. Chris Schmidt, with the SDSU Department of Civil and Environmental Engineering, reviewed recent developments and progress of District-supported research he and others have been conducting on, “Removal of *E. coli* from Stormwater Runoff Using Filtration with Recycled Steel Byproduct Media.” The objective of this research is to evaluate the bacteria removal performance of selected materials, to be applied as an end-of-pipe treatment for municipal storm water systems. The work has in part built off of the use of wood chips and other agricultural residues within denitrifying bioreactors as edge-of-field treatments for agricultural drainage. The results to-date have been very encouraging, with substantial removal of bacterial loads during bench tests (laboratory-based) and in a small-scale pilot project near a Brookings elementary school. Dr. Schmidt reviewed the results of a full-scale demonstration project conducted in southeastern Sioux Falls. The Manager Hua noted that a site has been selected within the City of Sioux Falls for a full-scale demonstration and evaluation of the process.

Quantifying Restorable Wetland Basins and Developing a Decision Support Tool for Voluntary Wetland Restoration in South Dakota

Sam Kucia, graduate student with the Natural Resource Management Department at South Dakota State University (SDSU), gave the Board an update on his work on a project entitled, “Quantifying Restorable Wetland Basins and Developing a Decision Support Tool for Voluntary Wetland Restoration in South Dakota.” The goal of the effort is to identify and categorize depressions (wetlands) in the glaciated areas of South Dakota. Many of these depressions retain water, and therefore could be generally be considered ‘wetlands.’ However, as the formal definition of what constitutes a jurisdictional ‘wetland’ can vary between regulatory agencies and programs, not every wet depression would necessarily be identified as such. The project also intends to identify depressions that had been altered (drained).

This is a collaborative effort initiated and partly funded by the Prairie Pothole Joint Venture (PPJV) and South Dakota Department of Game, Fish and Parks (SDGF&P). PPJV is a collaboration of many partners including state, federal and non-governmental partners interested in wetland and grassland conservation in the glaciated areas of North Dakota, South Dakota, Minnesota and Iowa. District support in the amount of \$25,000, which will be applied toward the support of graduate students at SDSU working on the effort.

District Updates

Legislation for the 2025 Legislative Session - The Manager reviewed anticipated legislation that will be considered by the 100th Session of the South Dakota Legislature, which begins on January 14th, 2025.

1. Legislation has been developed that reviews all of the water development district (WDD) code, South Dakota Codified Laws Chapters 46A-3a thru –3E, inclusive, for ‘style and form.’ He noted that the bulk of the current WDD code was adopted in 1984, with some of the language derived from laws passed in the late 1950s. In that there are no plans to make any substantive

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changes to the code during this session, it would be a good time to update the language to reflect current/modern standards. Representative Kaydn Wittman (D-Sioux Falls) is the prime sponsor, with the Manager acting as the primary proponent.

Beyond this legislation, and the annual omnibus water funding bill, the Manager is unaware of any other legislation that would impact the District. He will keep the Board apprized of developments once session starts.

2024 District Water Quality Sampling Results - Jeremy Hinke presented a summary of the water quality sampling conducted by the District during 2024 on area lakes and streams. He also reviewed the procedures involved in collecting samples for per- and polyfluoroalkyl substances (PFAS) analyses. The Manager indicated that the District had collected follow up samples at several locations on the Big Sioux River in the Sioux Falls area as a check against the September sampling by the South Dakota School of Mines & Technology. The results were expected later in the month.

Adjournment

There being no further District business, Chairman Anderson declared the meeting adjourned at 3:50 p.m.

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Spencer Hawley, Secretary