



East Dakota Water Development District
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MINUTES
April 21, 2011

The Board of Directors of the East Dakota Water Development District (EDWDD) held a regular meeting on April 21, 2011 at the South Dakota Association of Rural Water Systems Office, 203 Center Street West, Madison. Chairman Eggers called the meeting to order at 9:35 a.m. The following persons attended:

Directors Present

Lois Brown
Mary Ellen Connelly
Curt Eggers
Martin Jarrett
John Johnson
Kay Kassube
Roger Scheibe
Jerry Soholt
John Weidler

Others Present

Don Bowman, Miner County Commission
Delvin Deboer, South Dakota State University
Emily Haakinson, Lake County Environmental Office
Gene Hexom, City of Madison
Dan Hubbard, South Dakota State University
Bob Litz, Minnehaha County
Kerwin Miller, The Expert Company
Tara Okeson, SD Association of Rural Water Systems
Elisa Sand, Madison Daily Leader
Bryan Schultz, U. S. Fish and Wildlife Service
Heath Thompson, Miner County Commission
Robert Todd, Round Lake
William Tooley, The Expert Company

Directors Absent

none

Staff Present

Jay Gilbertson

Welcome from Mayor Gene Hexom - Mayor Gene Hexom welcomed the Board, staff and other attendees of the meeting to the City of Madison. He presented Chairman Eggers with a letter expressing his appreciation for past and present support and assistance provided to the community and region by the District (attached).

Recognition of Former Director Robert Todd - The Board presented former Director Robert Todd with a plaque recognizing his service to the District. Director Todd represented Rural Director Area 4 (portions of Lake, Moody and Minnehaha Counties) from 2007 to 2010.

Administrative Items

Approval of Agenda - The Manager requested two amendments to the meeting agenda. First, removal of a presentation on the South Dakota State Hazard Mitigation Program. Second, addition of a discussion of draft 2012 redistricting for water development district directors areas. **Motion** by Kassube, seconded by Weidler to approve the agenda as amended. Motion carried unanimously.

Minutes - The Board reviewed the Minutes of the March 17, 2011, meeting. **Motion** by Brown, seconded by Scheibe to approve the Minutes as presented. Motion carried unanimously.

Financial Reports - The Board reviewed the March 2011 Financial Report. **Motion** by Scheibe, seconded by Soholt to accept the March 2011 Financial Report. Motion carried unanimously. Chairman Eggers then asked that the report be placed in the District files.

Report of Meetings and Conferences - Director Johnson attended the March 17th meeting of the Upper Big Sioux River Watershed Advisory Board in Watertown.

Directors Brown and Kassube attended the Sioux Empire Water Festival at the University of Sioux Falls on March 22nd.

Director Johnson attended the Clark Rural Water System Annual meeting in Clark on March 22nd.

Directors Brown, Connelly and Soholt attended the Sioux Empire Water Festival at the University of Sioux Falls on March 23rd.

Director Jarrett attended the Lake County Clean Water Committee meeting in Madison on March 24th.

Directors Brown and Connelly attended the Big Sioux Community Water System Annual Meeting in Flandreau on April 5th.

The Manager briefly commented on the following meetings he attended:

1. March 22nd/ April 5th - Brookings. Brookings County Commission - Lake Sinai flooding.
2. March 23 & 24 - Pierre. 23rd Annual SD DENR Water Quality Conference
3. March 24 & 25 - Pierre. SD Board of Water and Natural Resources.
4. March 31st - Gary. First District Association of Local Governments.
5. April 1st - Vermillion. SD Geological Survey discussion of GW Protection strategies.
6. April 5th - Flandreau. Big Sioux Community Water System Annual Meeting.
7. April 12th - Milbank. Grant County P&Z Office.
8. April 12th - Sisseton. Roberts County SDATAT Annual Meeting.
9. April 14th - Huron. US Geological Survey - long-term trends in river hydrology.
10. April 14th - Brookings. SD Lakes and Streams Association.
11. April 20th - Lake Poinsett. Tour of Lake Poinsett with Senator Tim Johnson.

Upcoming Meetings -

1. **April 27 - 9:00 a.m.** - Matthews Training Center, Pierre. Watershed Project Coordinators Meeting.
2. **April 28 - 8:00 a.m.** - Rushmore Plaza Civic Center, Rapid City. 2011 Western South Dakota Hydrology Conference.
3. **May 4 & 5** - Matthews Training Center, Pierre. South Dakota Water Management Board.
4. **May 6 & 7** - Watertown. South Dakota Chapter of the Izaak Walton League Annual Meeting.
5. **May 6 - 6:00 p.m.** - Shady Beach Supper Club, Lake Cochrane. South Dakota Resource Coalition Earth Day Banquet.
6. **May 10 - 9:30 a.m.** - South Dakota State University, Brookings. Big Sioux Water Festival.
7. **May 19 - 9:00 a.m.** - East Dakota Water Development District (District) Office, Brookings. May District Board of Directors Meeting.

Payment Request -

City of Madison - The Manager presented the Board with a payment request from the City of Madison. In February 2011, the Board awarded project assistance funds to support an assessment of options to address problems encountered by the City with volatile organic compounds (VOCs) showing up in their well water. Specifically, the Board agreed to cover thirty percent (30%) of the study costs, up to a cap of \$8,400. The current request covers \$3,520 of study costs, of which the District's share would be \$1,056.

Motion by Weidler, seconded by Kassube to approve payment of \$1,056 to the City of Madison as requested. Motion carried unanimously.

Project Assistance Requests

Lake Madison Development Association - The Manager presented the Board with a request from the Lake Madison Development Association (LMDA) for District cost-share assistance. LMDA is looking to conduct a one-year pilot project to assess the ability of artificial lake circulation devices to reduce biologic sediment and manage algae production in the lake. William Tooley, with The Expert Company, explained the process by which the investigation will take place. Three circulators (two wind-driven and one electric) will be installed in a small bay on the south side of the lake, and operated for a minimum of one-year. Pre- and post-study sediment amounts will be measured, and water quality samples will be collected throughout the study to monitor progress. The projected total cost of the investigation is \$12,000. Mr. Tooley noted that the Lake County Commission has previously committed \$3,500 to the effort, and LMDA is expected to provide a like amount. The request to the District was for the balance, \$5,000.

Motion by Weidler, seconded by Brown to provide District cost-share assistance of forty-two percent (42%) of the costs of the pilot project as requested, up to a maximum amount of \$5,000. Motion carried unanimously.

SDSU Regional Water System Research Consortium

Dr. Delvin DeBoer, South Dakota State University (SDSU) Civil and Environmental Engineering Department, presented a summary of investigations being conducted by the Regional Water System Research Consortium (Consortium). The Consortium was established several years ago to help address issues and concerns unique to the management and operation of regional rural water systems. Studies have been conducted through the SDSU Water and Environmental Engineering Research Center by graduate research assistants and other research personnel under the supervision of Dr. DeBoer. Consortium funding is provided by contributions from water development districts, individual regional (rural) water systems, and the South Dakota Association of Rural Water Systems. An Advisory Committee helps identify research topics and set priorities. The District Manager is the Chair of this committee. Director Jarrett, in his capacity as Manager of the Big Sioux Community Water System, is also a member. To date, two generations of projects have been initiated, the first in 2007 and the second in 2010. Dr. DeBoer reviewed two of the current projects.

Improving Safety of Crude Oil and Regional Water System Pipeline Crossings - funding from the Consortium, South Dakota Department of Environment and Natural Resources (DENR), and the United

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States Department of Transportation. With the ongoing construction of petroleum product pipelines in the state, public water supplies need to know how to best avoid contamination problems. The research involves assessing the impact of petroleum products on the characteristics and integrity of the various types of plastic pipe in which drinking water is delivered.

Water Storage Tank Mixing Study - funding from the Consortium. Regional water systems use storage tanks to provide a constant supply of water to customers during times when demand exceeds treatment plant and/or pumping capacity. However, the shape and other physical characteristics of the tanks can impact mixing of the water in the tank, resulting in water quality variations. The study seeks to determine which tank shapes are most prone to problems, and is also developing management practices that might alleviate the problems.

2012 Redistricting of Water Development District Director Areas

South Dakota Codified Law 46A-3B-3, which requires that following each decennial census the Board of Water and Natural Resources (BWNR) shall “redistrict water development district director areas to reflect changes in the population of the water development district so as to assure equitable representation of all areas within the water development district.” DENR staff, acting on behalf of the BWNR, have completed a draft reconfiguration of the nine District director areas. The Manager reviewed the proposed changes. As expected, the continued growth in and around the City of Sioux Falls has shifted the center of population within the District further south. However, DENR was able to draw revised director areas which allow all current directors to remain in their respective areas. He noted that the Board of Water and Natural Resources would likely be taking formal action on the proposed changes for East Dakota and the other six water development districts at their meeting on the 23rd and 24th of June.

Project Updates

SDSU Water Quality Impacts of Tile Drainage Review - Dr. Dan Hubbard, with the SDSU Wildlife and Fisheries Department, provided a brief summary of his efforts to update a report entitled “A Review of the Effects of Pattern Tiling on Wetlands and Receiving Waters.” Originally prepared in 2005 for the United States Fish and Wildlife Service, the District agreed to support the update in August 2010. The final version will be presented at the June Board meeting.

Dakota Water Watch - The Manager relayed a report prepared by Jeremy Hinke. New training materials are being developed for the 2011 field season for the Dakota Water Watch (DWW) volunteer water quality monitoring project. Training sessions and material distribution will begin in mid-May following the Big Sioux Water Festival.

Educational Outreach - The Manager relayed a report prepared by Deb Springman. District staff presented “The Mystery of Sandy Bottom Creek” at the Sioux Empire Water Festival on March 22nd and 23rd in Sioux Falls. Sixty area educators attended an Environmental Experiences workshop in Brookings in late March. Deb coordinated the event, and assisted the presenter, who traveled from Spearfish. There will be a Project WET Workshop held in Watertown on April 30th. Ms. Springman and staff will be presenting at an environmental outreach event at the Watertown Regional Library on April 5th. Preparation continues for the 2011 Big Sioux Water Festival on May 10th at SDSU.

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Adjournment

There being no further District business, Chairman Eggers declared the meeting adjourned at 12:30 p.m.

Roger Scheibe, Secretary

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April 21, 2011

Board of Directors
East Dakota Water Development District
132B Airport Ave.
Brookings, SD 57006

Dear Members of the East Dakota WDD Board;

On behalf of the City of Madison and the Madison City Commission, I wish to express our sincere appreciation to the East Dakota Board for your consideration and vote to allocate project assistance grant funds of up to \$8,400 for the development of a preliminary engineering report to address Madison's current water quality issues with our city wells. We hope this effort will lead to positive, efficient ways and means of improving our water supply serving the residents and businesses of our city.

I have fond memories of circulating petitions in the City of Madison in the early 1960's to help create the East Dakota Conservancy Subdistrict. Growing up on the banks of Battle Creek in LeRoy Township, Lake County, I learned early in my life how important water and its quality and the associated soil and water conservation measures that are so vitally important to our way of life here on the plains of South Dakota.

I have enjoyed working with Jay Gilbertson in several groups in recent years and I value his wise counsel and professional advice. We are very fortunate to have him on our team here in the East River area.

Thank you again for your assistance and we look forward to working with East Dakota WDD in the future.

Sincerely,

Mayor Gene Hexom

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