



East Dakota Water Development District
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MINUTES
May 18, 2017

The Board of Directors of the East Dakota Water Development District (EDWDD) held a regular meeting on May 18, 2017, at the District office in Brookings. Chairman Jarrett called the meeting to order at 9:02 a.m. The following persons attended:

Directors Present

Mark Anderson
Lois Brown
Mary Ellen Connelly
Gary Duffy
Martin Jarrett
John Moes
Janelle Weatherly

Directors Absent

Kay Kassube
Dana Loseke

Others Present

Representative Spencer Hawley, Brookings
Guanghai Hua, SDSU Civil & Environmental Engineering
Gabe Laber, DGR Engineering
Garry Ludwig, City of Bryant
Kristie Sikkink, City of Bryant

Staff Present

Jay Gilbertson
Jeremy Hinke
Deb Springman

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Administrative Items

Approval of Agenda

Motion by Weatherly, seconded by Moes to approve the agenda as presented. Motion carried unanimously.

Minutes - The Board reviewed the Minutes of the meeting on April 13th, 2017.

Motion by Connelly, seconded by Soholt to approve the April 13th, 2017, Minutes as presented. Motion carried unanimously.

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Financial Reports - The Board reviewed the April 2017 Financial Reports.

Motion by Moes, seconded by Connelly to accept the April 2017 Financial Reports. Motion carried unanimously. Chairman Jarrett asked that the report be placed in the District files.

Report of Meetings and Conferences - Director Anderson attended the City of Sioux Falls Infrastructure Review Advisory Board on May 11th.

Directors Brown and Weatherly attended the 25th Annual Big Sioux Water Festival in Brookings on May 9th.

Director Connelly attended the May 1st meeting of the Friends of the Big Sioux River in Sioux Falls.

Director Moes attended the April 19th meeting of the Lake Pelican water Project District and the April 20th meeting of the Upper Big Sioux River Watershed Advisory Board. Both meetings were held in Watertown.

Chairman Jarrett attended the May 8th meeting of the Lake Madison Development Association on Lake Madison.

The Manager briefly commented on the following meetings he attended:

1. April 18th - 20th - Polson, MT. EPA Region 8 Tribal Nonpoint Source Forum.
2. April 26th - Sioux Falls. Big Sioux River flood hydrology and hydraulics model discussion.
3. May 1st - Milbank, Sisseton & Britton. River Basin Natural Resource District Oversight Advisory Task Force (RBNRD OATF) discussions.
4. May 8th - Brookings. Big Sioux Water Festival.
5. May 11th - Alexandria. James River Water Development District Board of Directors.
6. May 12th - Yankton & Vermillion. Missouri National Recreational River and Statewide Ground Water Quality Monitoring Network discussions.
7. May 16th - Milbank. Grant County Commission discussion of RBNRD OATF.

Upcoming Meetings -

1. **May 24 - 10:00 a.m.** - Pierre. Regulation of Access to and Use of Non-Meandered Waters on Public and Private Property Study Legislative Committee.
2. **May 25 - 5:00 p.m.** - Tea. Lewis and Clark Regional Water System Annual Meeting.
3. **June 15 - 9:00 a.m.** - EDWDD Office, Brookings. June EDWDD Board of Directors.

Payment Request(s) - The Manager presented the Board with payment requests from the sponsors of several District-supported activities. He noted that the requests were in order, and consistent with provisions set by the Board at the time of award. He requested authorization to make payments on the following requests:

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<u>Grant Recipient/Activity</u>	<u>Requested Amount</u>
City of Lake Preston/Waste Water facility plans	\$ 3,600.00
SDSM&T/Seasonal pathogenicity profile of BSR & SC - Part 1 (Kunza)	\$ 9,768.01
SDSM&T/Seasonal pathogenicity profile of BSR & SC - Part 2 (Kunza)	\$ 457.08
SDSU/Controlling harmful algal blooms (Hua)	\$ 135.00
SDSU/Storm Water Runoff Treatment (Hua)	\$ 2,731.39
SDSU/Conservation Drainage Practices to Remove NO ³ from drain water (McDaniel)	\$ 1,004.35
SDSU/Bioreactor impacts on <i>E. coli</i> and antibiotics resistance (McDaniel)	<u>\$ 1,951.94</u>
Total	\$19,647.77

Motion by Connelly, seconded by Weatherly to authorize payments totaling \$19,647.77 as requested. Motion carried unanimously.

Regulation of Access to and Use of Non-Meandered Waters on Public and Private Property Study

Representative Spencer Hawley (D-Brookings), briefed the Board on the efforts and progress of the 2017 Interim Legislative efforts to address access to, and use of, non-meandered waters over private land. The group has met twice, first in Pierre on April 27, and in Aberdeen on May 9 & 10, taking many hours of public testimony. The Aberdeen meeting also included a tour of flooded ground in northeastern South Dakota. Further meetings are expected in the coming days, with a likely Special Session of the Legislature if acceptable legislation can be drafted.

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Project Assistance Request(s)

City of Bryant Wastewater Facility Plan - The Board considered a request from the City of Bryant for District cost-share assistance to complete a facility plan of their waste water collection and treatment system. The City has entered into an agreement with DGR Engineering to complete the work, at a projected total cost of \$12,500. A Small Communities Planning Grant from the South Dakota Department of Environment and Natural Resources (DENR) has been requested for \$10,000. Their request is for fifty percent of the balance of the costs (\$2,500), which would be \$1,250.

Motion by Duffy, seconded by Brown to provide District cost-share assistance to the City of Bryant covering fifty percent (50%) of the local costs of the proposed study, up to a maximum of \$1,250. Motion carried unanimously.

SDSU Storm Water Runoff Treatment Research Project

Dr. Guanghui Hua of the SDSU Civil & Environmental Engineering Department provided an update on his research into developing suitable filtration media for removing sediment, nutrient and/or bacterial loads from storm water runoff. His efforts to date have involved laboratory studies to identify suitable and readily available materials to use in the filters. Initial batch studies involved placing various media in containers with known levels of contaminants, and determining effectiveness of contaminant removal. These tests were followed by column studies wherein dosed water was passed through various media

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mixtures, simulating field conditions. To date, media containing steel slag and shavings have proven most successful in bacteria and nutrient reductions. Dr. Hua will be working with the District Manager and staff from the City of Brookings Public Works Department to identify a small catchment in which to conduct a field test. Installation is expected later in the summer or early next year.

District Updates

25th Annual Big Sioux Water Festival - Deb Springman reported on the 25th Annual Big Sioux Water Festival. It was held on Tuesday, May 9, 2017, on the campus of South Dakota State University, with over 1,100 fourth grade students from 28 area public, private, and home schools in attendance. Thirty activity stations provided hands-on activities and experiments, including two large group assemblies featuring long-time favorite The Zoo Man and the Science Museum of Minnesota. The teacher resource room provided information from South Dakota Project Learning Tree, Dakota Nature Park, Ground Works-Midwest, and the Izaak Walton League. Representatives of each group were present to speak one-on-one with the teachers and to provide them with resources they could use in their classrooms. More than 200 volunteers helped out at this year's event. The festival is made possible by contributions from area businesses, organizations, rural water systems, municipalities, conservation districts, lake associations, and also through a small grant from the South Dakota Information and Education Program. The event is free to fourth grade classrooms within the District and the festival does provide a small stipend to help schools pay for a portion of their transportation costs.

Adjournment

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There being no further District business or issues for consideration, Chairman Jarrett declared the meeting adjourned at 12:04 p.m.

John G. Moes, Secretary